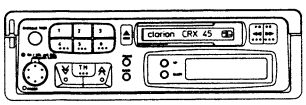
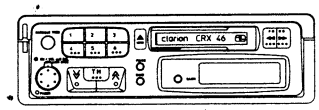
Clarion Co., Ltd. Export Division—22-3, Shibuya 2-chome, Shibuya-ku, Tokyo, 150 Japan Tel: 03-3400-1121 Fax: 03-3400-8679 Telex: J22908, J22152
Service Dept.—50 Kamitoda, Toda-shi, Saitama, 335 Japan Tel: 0484-43-1111 Telex: J2962628 CLAFAC-J

clarion Service Manual

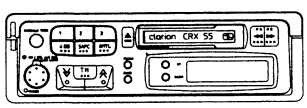
Published by Service Administration Section



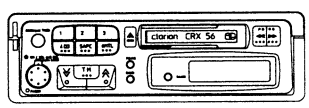
Model CRX45



Model CRX46



Model CRX55



Model CRX56

MW/LW/UKW CASSETTE STEREO

Model **CRX45** (PE-9813A-A)
CRX46 (PE-9814A)
CRX55 (PE-9811A-A)
CRX56 (PE-9812A)

SPECIFICATIONS:

[RADIO SECTION]

Circuit system:	Super Heterodyne	
Tuning system:	Digital Electronic Tuning	
Receive range:	UKW	87.5MHz to 108.0MHz
	MW	522kHz to 1,620kHz
	LW	153kHz to 281kHz
Intermediate frequency:		
	UKW	10.7MHz
	M/L	450kHz
Quieting sensitivity:		
	UKW	Less than 14dB
	MW	Less than 32dB
	LW	Less than 39dB
Separation:	UKW	More than 20dB

[TAPE SECTION]

Reproduction system:	4 track, 2 channel stereo cassette tape playback
Tape speed:	4.76cm/sec
Wow and flutter:	Less than 0.25% (W.R.M.S.)
Separation:	More than 35dB
Crosstalk:	More than 40dB
S/N ratio:	More than 46dB
FF time:	Less than 180sec. (C-60)

[SYNTHESIS]

Load impedance:	4Ω
Power output:	14W x 2 (at 10% distortion) 20W x 2 (at max. output)
Power supply voltage:	DC 14.4V (10.8V to 15.6V) Negative ground
Current consumption:	Less than 6A

Dimensions:

CRX45	Width	181.5mm
CRX46	Height	52.5mm
CRX55	Depth	155.0mm
CRX56	Weight	1.8kg

COMPONENTS

- **CRX45 (PE-9813A-A)**
- **CRX46 (PE-9814A)**
- **CRX55 (PE-9811A-A)**
- **CRX56 (PE-9812A)**

	Main Unit	1
1650-0010-0	Silica Gel	1
1497-0132-0	Parts Bag	1
4131-8531-0	Mounting Stripe	1
4131-8771-0	Plate Nut	1
2842-4510-0	Metal Washer 4.5X10X0.8	1
4301-3369-0	Owner's Manual P1	1
4301-3370-0	Owner's Manual P2	1
2832-5081-0	Nut M5X0.8	1
2802-5014-0	Self Tapping Screw M5X14	1

ADJUSTMENT

- **MAIN BOARD**

ALIGNMENT	INPUT	ADJUST LOCATION	TEST LOCATION	READING
FM Bandwidth	98.1 MHz, 60dBuV 0% mod.	L402	Pin 7 to 13 of IC402	0 ± 0.05V
FM DX Autostop sensitivity	98.1 MHz, 60dBuV 30% mod.	VR404	Across C484	6.5 ± 0.3V
FM LO autostop sensitivity	98.1 MHz, 45dBuV 30% mod	Short circuit Q416 , adjustVR402	Across C484	6.5 ± 0.3V
FM MPX circuit Vco frequency	98.1 MHz, 55dBuV, 0% mod	Add 180kΩ between IC404 and GND, adjust VR401	IC404 pin 24	19kHz ± 50 Hz
FM stereo seperation	98.1 MHz, 65dBuV,100% mod, 400Hz, L- channel only	Turn VR403 fully anti-clockwise, adjust VR405		Max. stereo separation
10dB stereo separation	98.1 MHz, 39dBuV,100% mod, 400Hz, L- channel only	Adjust VR403		L-channel = 0dB, R-channel = -10dB
VF min. volume level	98.1 MHz, 100% mod, MONO	Min. volume press VR PCB spring, adj. VR301		Speaker output = 0.775 Vrms

- **LW/MW TUNER**

ALIGNMENT	INPUT	ADJUST LOCATION	TEST LOCATION	READING
MW VT	522kHz 1620kHz @ antenna	L207 TC203	Collector of Q401 on main PCB	1.0 ± 0.05V (± 0.1V)* 7.8 ± 0.1V (± 0.2V)*
LW VT	153kHz @ antenna	L208	Collector of Q401 on main PCB	1.2 ± 0.05
MW sensitivity	603kHz & 1404kHz < 30dBuV	L202, L204, TC202	Speaker output	Max. output
I.F.T.	603kHz < 30dBuV	L210, L211	Speaker output	Max. output
LW sensitivity	164kHz & 281kHz < 30dBuV	L203, L205, TC204, TC205	Speaker output	Max. output
MW seek sensitivity	999kHz @ nominal specification	VR201	across VR201	0.6 ± 0.01V

*Notes: After casing, check reading, adjust again if nescessary.

- **FM TUNER**

ALIGNMENT	INPUT	ADJUST LOCATION	TEST LOCATION	READING
FM VT	87.5MHz 108.1MHz @ antenna	L104 L104	Collector of Q401 on main PCB	1.2 ± 0.1V 7.8 + 0.2 -0.1V
Sensitivity	90.1MHz 106.1MHz 98.1MHz f Mod. = 22.5kHz @ antenna	Tune to 90.1MHz, adjust L103 Tune to 106.1MHz adjust TC101 Tune to 98.1MHz adjust L101	Speaker output	Max. sensitivity
I.F.T.	98.1MHz with 3%THD of audio signal at minimum input level possible @ antenna	L107	Speaker output	minimum THD

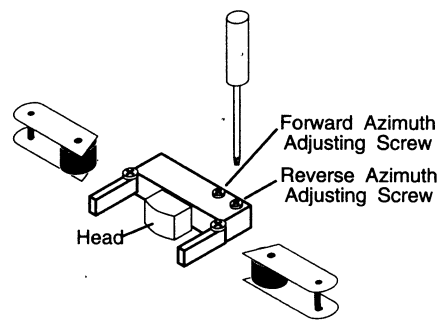
Notes: All spring coils must be firmly fixed with wax. The ferrite core of L104 must be fixed by a small drop of white paint after alignment.

- **HEAD AZIMUTH ADJUSTMENT**

1. Playback a TEAC MTT-114 test tape.

2. Adjust the tone control and the balance control to the mechanical centre position and set the volume control to medium position.

3. Adjust the head azimuth alignment screws to obtain the maximum power output from the set.



EXPLANATION OF IC's:

Refer to description in IC service manual vol. 1.	
LA1140	FM IF System
µpc1228ha	AF OP. Amp
BA336	APC

Refer to description in IC service manual vol 2.	
TDA1579	ARI

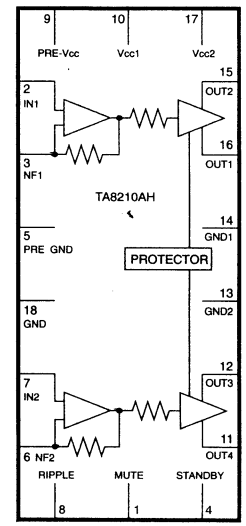
Refer to description in IC service manual vol 3.	
LA1135	AM Tuner

Refer to description in IC service manual vol 4.	
AN7465	FM MPX Stereo Demodulator

TA8210AH 3130-2200-0 Dual Power Amplifier

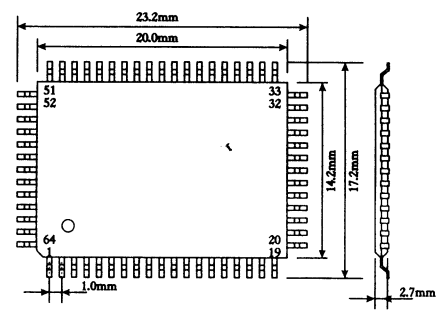
Note: Dual in line package type IC.

Block Diagram



µPD1723 3130-2700-0 DTS and controller

Outward Form



II. Outline

(1) The IC is a 4-bit CMOS microcomputer for digital tuning, containing a prescaler, a PLL frequency synthesiser, IF counter and an LCD driver all in one chip.

III. Terminal Connection

Pin No	Terminal	I/O	Function
1			No connection
2	EO1	O	Error output pin for PLL
3	EO2		
4	VDD1		Supply voltage of 5V
5	AM	I	AM local oscillation signal input.
6	FM	I	FM local oscillation signal input.
7	CE	I	Chip enable: When pin is low, LCD display depends on setting the CLOCK-DISABLE switch of the diode jumper.
8	VDD2		Supply voltage of 5V
9	LOCAL	O	Local control output: In radio mode, LOCAL/DX output pin, in the DX state, the LCD 'DX' displays lights.
10	AUTO-LOCAL	O	Auto-Local control output: In radio mode 1. High during SEEK and SCAN. 2. High when not tuning.
11	$\overline{\text{AGC-CUT}}$	O	AGC-CUT control output: In radio mode, low level is output during auto-tuning, auto-store and the stop check of the memory scan.
12	APS	O	APS control: In Tape mode, in APS mode the LCD 'APS' displays lights.
13	METAL	O	Metal output: In tape mode , in Metal mode the LCD 'METAL' displays lights.
14	$\overline{\text{MONO/DOLBY}}$	O	Monaural/dolby output: High = Mono for radio mode Low = Dolby for Tape, mode.
15	SDK	O	SDK output: H = SDK on.
16	AM IF	I	AM IF input: AM station detection.
17	FM IF	I	FM IF input: FM station detection.
18	MUTE-EN	I	Mute enable control input: High = on.
19	AUX	O	ILLUM. control output:
20	$\overline{\text{MUTE}}$	O	Mute control output: L ow= Mute
21	MW	O	Band contol output:
22	FM	O	PORT / FM / MW / LW MW / L / H / L FM / H / L / L
23	LOUD	O	Loudness control output: When pin is High, LCD 'LOUD' displays lights.
24	XO	I	Crystal resonator input pin.
25	X1		
26	GND1		Ground
27			No connection
28	LCD27	O	LCD segment signal output pin.
29	LCD26		
30	LCD25	O	LCD segment signal output pin.

Pin No.	Terminal	I/O	Function
31	LCD24	O	LCD segment signal output pin
32	LCD23		
33	LCD22		
34	LCD21		
35	LCD20		
36	LCD19		
37	LCD18		
38	LCD17		
39	LCD16		
40	LCD15		
41	LCD14		
42	LCD13		
43	LCD12		
44	LCD11/KS11	O	LCD Segment signal and key source signal output pin.
45	LCD10/KS10		
46	LCD9/KS9		
47	LCD8/KS8		
48	LCD7	O	LCD segment signal output pin.
49	LCD6		
50	LCD5/KS5	O	LCD Segment signal and key source signal output pin.
51	LCD4/KS4		
52	LCD3/KS3		
53	LCD2/KS2		
54	LCD1/KS1		
55	LCD0/KS0		
56	COM1	O	Common signal output to LCD
57	COM2		
58	GND2		Ground
59	K3	I	Key matrix key return signal input pins.
60	K2		
61	K1		
62	K0		
63	SK	I	SK input: SK signal detection pin, High when radio recieving traffic info.
64	$\overline{\text{Interrupt}}$	I	Low = Interrupt

IV. Keyboard Momentary Switch Matrix

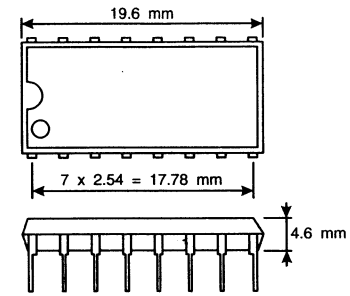
IN \ OUT	K0(pin 62)	K1(pin 61)	K2(pin 60)	K3(pin 59)
LCD0/KS0	M1	M2	M3	M4(NR)
LCD1/KS1	M5(APS)	M6(METAL)	AUX	PRESET SCAN/AUTO STORE
LCD2/KS2	MANUAL-UP(MA)	MANUAL-DOWN(HA)	NOT USED	BAND
LCD3/KS3	T.MODE	SDK	LOUD	LOCAL/DX
LCD4/KS4	SEEK-UP	SEEK-DOWN	NOT USED	NOT USED
LCD5/KS5	MONO			

V. Momentary Switch

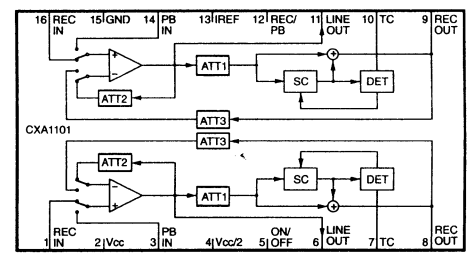
SWITCH NAME	FUNCTION
BAND	Band selector key FM1-FM2-FM3-MW-LW
M1 - M6	Calling and writing the preset memory - there are a maximum of 6 stations per band. - there are 3 FM bands, 1 MW band, 1 LW band - Push M1 - M6 Key for less than 2 secs. to call frequency written in memory. - Push M1 - M6 key for more than 2 secs. to write frequency to memory. - At time memory is written or called the MUTE pin is logic low for 1 sec.
P.SCAN/ A.STR	Preset scanning function/ Auto Store - In radio mode, the preset scanning operation is started when the key is released within 2 sec, while the auto store operation is started when the key is held down over 2 sec.
SEEK UP/SEEK DOWN	Search band for station and stop when signal received. - When SDK function is on, seek tuning is stopped when both SK input pin is high and either AM IF or FM IF pin is high.
MANUAL UP/ MANUAL DOWN	1 step/1 push and continuous tuning. - 1 step/1 push tuning is executed when the MANUAL UP or MANUAL DOWN key is pressed for less than 500ms. - Continuous tuning is executed when the MANUAL UP or MANUAL DOWN key is pushed for more than 500ms. - When "MANUAL" is not displayed on the LCD these keys behave the same as SEEK UP or SEEK DOWN.
SDK	Recieve traffic information. - Valid in Europe, FM band only. - If SDK function is on, the VF mark is displayed, if SK pin is High the SK mark is displayed. - Band change turns off SDK function.

■CXA1101 3130-1130-0 Dolby Noise Reduction IC

Outward Form



Block Diagram

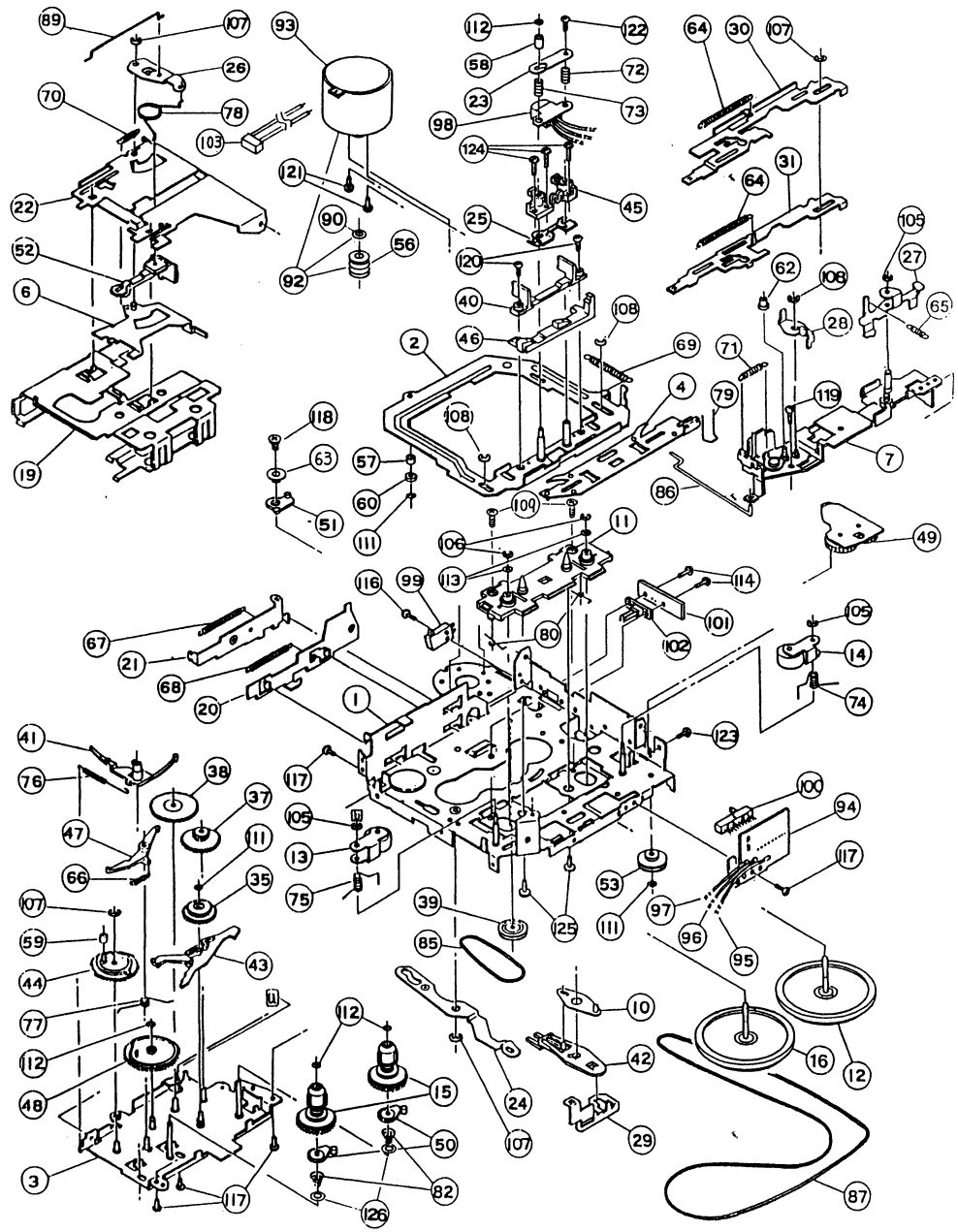


■ EXPLODED VEIW • PARTS LIST:

☐ Tape mechanism section 4101-3801-0 and 4101-3802-0

REF. NO.	PART NO.	DESCRIPTION	QTY
1	4102-1901-0	MAIN CHASSIS ASSY	1
2	4102-1902-0	HEAD PLATE ASSY	1
3	4102-1903-0	REEL BASE ASSY	1
4	4102-1904-0	FR CHANGING ARM ASSY	1
6	4102-1906-0	EJECT CAM LOCK ASSY	1
7	4102-2078-0	LEVER BRACKET ASSY (D)	1
10	4102-1910-0	FR ARM (A) ASSY	1
11	4102-2079-0	CM BRACKET ASSY (X)	1
12	4102-2046-0	FLY WHEEL ASSY	1
13	4102-2080-0	PINCH ARM (R) ASSY	1
14	4102-2081-0	PINCH ARM (L) ASSY	1
15	4102-2082-0	REEL SPINDLE ASSY (S)	2
16	4102-2047-0	FLY WHEEL ASSY (R)	1
19	4102-2083-0	CASSETTE HOLDER (X)	1
20	4102-1917-0	EJECT CAM ASSY (CDS36)	1
21	4102-1918-0	EJECT LEVER	1
22	4102-2084-0	CASSETTE HANGER (X)	1
23	4102-1920-0	SPG PUSH PLATE	1
24	4102-1921-0	REVERSE LEVER	1
25	4102-2108-0	ADJUSTER SHIM (X)	1
26	4102-1923-0	CENTRE PLATE CDS36	1
27	4102-2085-0	LOCK ARM	1
28	4102-2029-0	CHANGE LEVER (B)	1
29	4102-1925-0	FR ARM (B)	1
30	4102-2086-0	FF LEVER	1
31	4102-2087-0	REW LEVER	1
35	4102-1930-0	DECK SPARE PART	1
37	4102-2088-0	REDUTION GEAR (A)	1
38	4102-1932-0	REDUCTION REAR B	1
39	4102-2089-0	PULLEY GEAR	1
40	4102-2090-0	TAPE GUIDE	1
41	4102-1935-0	RATCHET	1
42	4102-1936-0	FF ARM	1
43	4102-1937-0	SENSOR ARM	1
44	4102-1938-0	SELECTOR GEAR CDS36	1
45	4102-2091-0	ADJUSTER ARM (B)	1
46	4102-2092-0	ADJUSTER LINR (X)	1
47	4102-2071-0	GEAR LOCK ARM	1
48	4102-1942-0	DETECTOR GEAR	1
49	4102-1943-0	TU GUAR ARM ASSY	1
50	4102-2093-0	DETECTOR CAM ASSY	2
51	4102-2058-0	MUTE ARM (N)	1
52	4102-1626-0	TAPE HOOKER	1
53	4102-1633-0	IDLE PULLEY A	1
56	4102-2072-0	MOTOR PULLEY (ITY)	1
57	4102-1945-0	HP ROLLER (B)	1
58	4102-1946-0	FF ROLLER	1
59	4102-1947-0	COLLAR (SELECTOR GEAR)	1
60	4102-1948-0	HP ROLLER (A)	1
62	4102-2060-0	PROGRAM ROLLER	1
63	4102-2059-0	MUTE ARM COLLAR	1
64	4102-1950-0	FF/REW LEVER SPRING	2
65	4102-1951-0	LOCK LEVER SPG	1
66	4102-1952-0	GEAR LOCK ARM SPG	1
67	4102-1953-0	EJECT LEVER SPG	1
68	4102-1954-0	EJECT CAM SPG	1
69	4102-1955-0	HEAD PLATE SPG	1

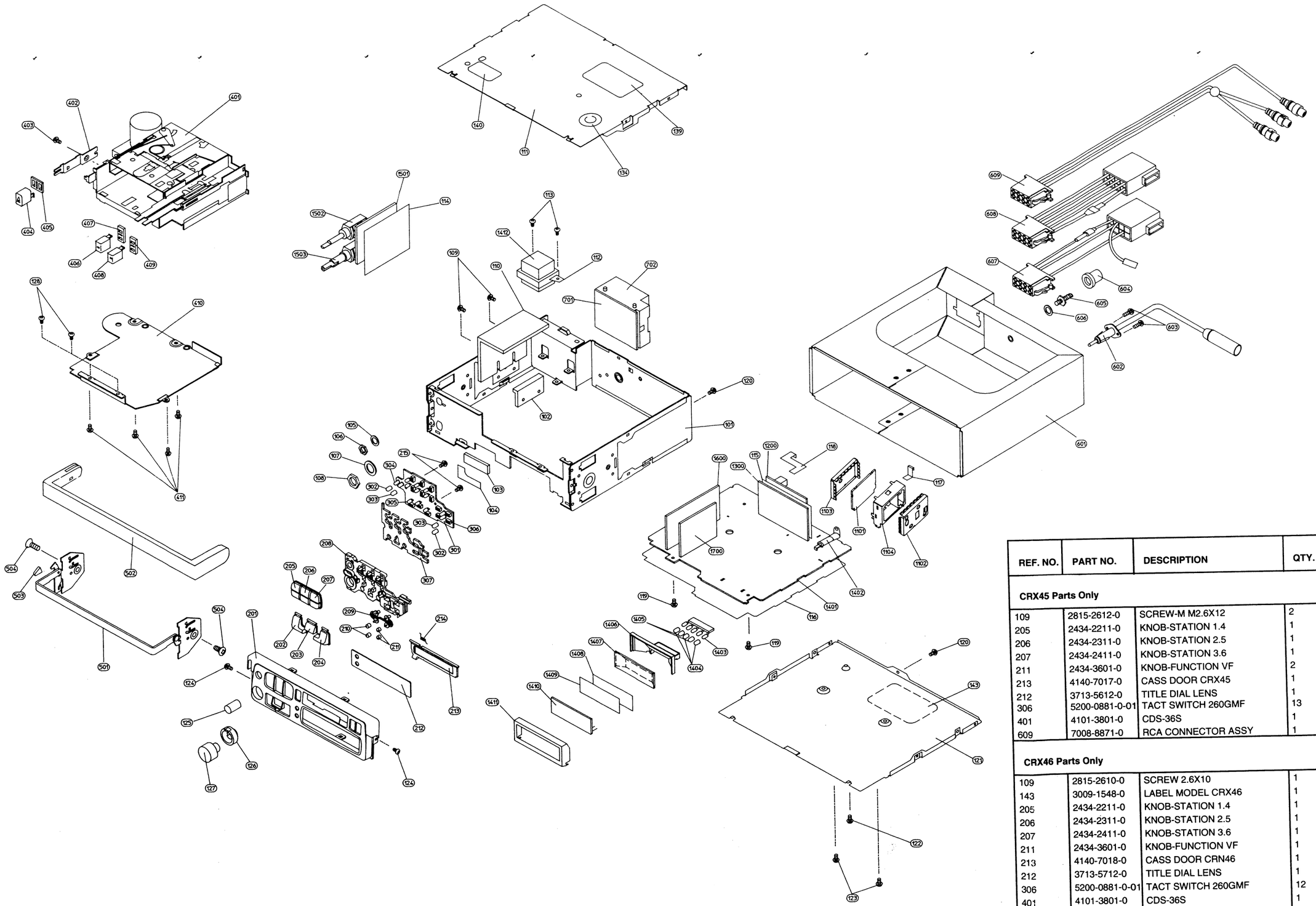
REF. NO.	PART NO.	DESCRIPTION	QTY
70	4102-1956-0	EJECT CAM LOCK SPG	1
71	4102-1957-0	PROGRAM ARM SPG	1
72	4102-1958-0	ADJUSTER ARM SPG (A)	1
73	4102-1959-0	ADJUSTER ARM SPG (B)	1
74	4102-1960-0	PINCH ARM SPG(F)	1
75	4102-1961-0	PINCH ARM SPG (R)	1
76	4102-1962-0	RACHET SPG	1
77	4102-1963-0	DASH SPG	1
78	4102-2022-0	CENTER PLATE SPG (A)	1
79	4102-1965-0	CHANGING ARM SPG	1
80	4102-1966-0	EARTH SPG (R)	2
82	4102-2094-0	BACK TENTION SPG	2
85	4102-2095-0	SUB BELT (C)	1
86	4102-2096-0	SELECTER LINK (B)	1
87	4102-1970-0	MAIN BELT CDS36	1
89	4102-1971-0	RETURN LINK	1
90	4102-2049-0	MYLAR WASHER	1
92	4102-2097-0	MOTOR ASSY	1
93	4102-2098-0	MOTOR (EG-520ED-3B)	1
94	4102-1973-0	SW PWB	1
95	4102-1974-0	WIRE (A) BLACK 60MM	1
96	4102-1975-0	WIRE (B) RED 60MM	1
97	4102-1976-0	WIRE (C) YELLOW 55MM	1
99	4102-1620-0	POWER SWITCH	1
100	4102-1979-0	CDS36(3886) SLIDE SW	1
101	4102-2100-0	MUTE PWB	1
102	4102-2101-0	MUTE SW	1
103	4102-2102-0	CONNECTOR ASSY (SP)	1
105	4102-1980-0	E.RING M1.5 CDS36	3
106	4102-1504-0	STOP LING E-1.6X3.2XT0.3	2
107	4102-0686-0	E RING 2	1
111	4102-1511-0	POLY WASHER 1.2X3XT0.25	3
112	4102-1520-0	POLY WASHER 1.6X0.25	4
113	4102-1981-0	P.WASHER M2.1X3.2X0.25	2
114	4102-2104-0	MACHINE SCREW S-TITE PLAIN	2
116	4102-2105-0	+ MACHINE SCREW S-TITE PLAIN	1
117	4102-1984-0	MACHINE SCREW M2X3	5
118	4102-2063-0	+M.SCREW B-TITE FLAT#1 M2X4	1
119	4102-1986-0	MACHINE SCREW M2X4	1
120	4102-2065-0	+M.SCREW PLAIN #3 M2X7	2
121	4102-1987-0	MACHINE SCREW M2X2.5	2
122	4102-1988-0	MACHINE SCREW M2X4	1
123	4102-1989-0	MACHINE SCREW M2X3	1
124	4102-2106-0	AZIMUTH SCREW	3
125	4102-2066-0	EJECT HOOK SCREW M2X5	2
126	4102-2107-0	LMW (RED) 2.1X3.5X0.05	2
4101-3801-0 Parts Only			
98	4102-1977-0	ONE WAY HEAD (S-210-2)	1
4101-3802-0 Parts Only			
90	4102-1977-B	HEAD TECHRECO (TC-860DTL-3)	1



■ EXPLODED VIEW • PARTS LIST:

☐ Main section

REF. NO.	PART NO.	DESCRIPTION	QTY.
101	8900-0630-0	MIDDLE CHASSIS ASSY	1
102	2150-2021-0	IC BKT	1
103	4151-8271-1	PLATE SPONGE	1
104	3100-2791-0	INSULATION SHT	1
105	2841-7122-0	WASHER ALUM.	1
106	2832-7751-0	NUT-HEX LOCK	1
107	2841-9142-0	WASHER AL ID9XOD14X0.5T	1
108	2832-9751-0	NUT 9X0.75X2X11	1
110	5400-0451-0	HEAT SINK	1
112	4131-8311-0	REAR MTR BKT "B"	1
113	2815-2652-0	M SCREW BH M2.6X5	2
114	3100-1601-0	INSULATION SHEET	1
115	3100-1591-0	INSULATION SHEET	1
116	3100-2761-0	FIBRE SHEET	1
117	4131-8821-1	PLATE GROUND	1
118	4131-8961-0	PLATE GROUND	1
119	2809-2652-4	SCREW-ST PH 2.6X5	2
120	2809-2642-0	ST SCREW PH M2.6X4	1
121	1402-1290-1	BOTTOM COVER	1
124	2807-2642-0	SCREW-ST. CH M2.6X4	2
125	2434-4401-0	KNOB TONE (CRX)	1
126	2434-2101-0	FADER KNOB	1
127	2434-2001-1	KNOB VOL	1
111	1402-1280-0	TOP COVER	1
122	2809-2682-0	SCREW-ST 2.6X8	1
123	2805-2652-0	M SCREW 2.6X0.45X5X5.8	2
134	3005-0022-0	R.LABEL-AZIMUTH	1
139	3000-2953-0	LABEL SERIVCE RECORD	1
201	1460-9513-1	F.HOUSING CRXXX	1
202	2434-3011-0	KNOB-TUNE DOWN	1
203	2434-3111-0	KNOB-TM	1
204	2434-2911-0	KNOB-TUNE UP	1
208	3713-5011-0	LENS-LIGHTING	1
209	2434-2806-0	KNOB-ADAPTOR FUNCTION	1
210	2434-3501-0	KNOB-FUNCTION PS/AS BAND	2
214	2510-1401-1	SPRING DOOR	1
215	2808-2082-0	SCREW TAP PH2X8	2
301	1710-9221-0	PCB-KEY	1
302	4150-2601-0	SIL RUBBER CAP. FOR LAMP	2
303	4150-7401-0	LAMP COVER 'YELLOW' 8309	2
304	2450-0166-0	DL 9V 65MA 3X6	4
305	3700-1493-GA	LED GREEN/ AMBER	9
307	1454-1281-0	SHIELD PLATE	1
402	4131-8571-1	LEVER EJECTOR	1
403	2804-2632-0	M.SCREW PH M2.6X3	1
404	2434-2501-0	KNOB-EJECT	1
405	2434-3301-1	KNOB-ADAPTOR EJECTOR	1
406	2434-2701-1	KNOB REW	1
407	2434-3201-0	KNOB-ADAPTOR REW	1
408	2434-2601-1	KNOB FF	1
409	2434-3401-0	KNOB-ADAPTOR FF	1
410	4131-8511-1	DECK BKT	1
411	2815-2642-0	SCREW-M BH M2.6X4	4
501	8900-0560-0	HANDLE ASSY	1
502	1460-9801-0	HANDLE COVER CRN37,38	1
503	2434-1801-0	KNOB-HANDLE EJECTOR	1
504	2825-5062-0	SCREW M5.0X6	2
601	8900-0580-1	SLEEVE LONG	1
602	2107-0431-0	ANTENNA SOCKET	1
603	2815-2642-0	SCREW-M BH M2.6X4	2
604	4151-0451-2	RUBBER BUSH	1
605	4131-8591-0	STUD	1
606	2842-5122-1	MS WASHER '106-5' SR300F	1
607	7008-8881-0	POWER CONNECTOR ASSY	1
608	7008-9191-0	SPEAKER CONNECTOR ASSY	1
701	1710-9501-0	PCB CONNECTOR	1
702	4151-6391-2	CONNECTOR BLOCK	1
1401	1710-9192-0	PCB MAIN	1
1402	2107-0461-0	ANTENNA BUSH	1
1403	2450-0166-0	DL 9V 65MA 3X6	5
1404	4150-2601-0	SIL RUBBER CAP. FOR LAMP	3
1405	4150-7401-0	LAMP COVER 'YELLOW' 8309	2
1406	4151-8082-0	LCD HOLDER SP WHITE	1
1407	3713-5411-0	LIGHT DIFFUSER	1
1408	3713-5811-1	TRANSFLECTOR SHEET	1
1409	4151-8172-1	FILTER "TEXTURE"	1
1410	2460-0710-0	DISPLAY LCD	1
1411	4131-8601-1	COVER-LCD	1
1412	1806-0111-0	PWR CHOKE 1.6MH 0.04 OHM	1
1101	1710-2291-2	PCB-FM TUNER	1
1102	1454-0321-4	FM SHIELD COVER	1
1103	1454-0291-1	FM SHIELD COVER	1
1104	1454-0701-0	FM TUNER SHIELD BKT	1
1200	1710-8231-1	MW/LW ASSY	1
1600	1710-9531-0	BOOSTER/ILLUM ASSY	1
1300	1710-9511-0	DOBLY/TAPE AMP ASSY	1
1501	1710-9421-0	PCB VOL	1
1502	4750-3166-0	VR B/T VOL	1
1503	4750-3156-0	VR FADER/VOL/BAL/LOUD/SW	1
CRX55 Parts Only			
109	2815-2612-0	SCREW-M M2.6X12	2
143	3009-1545-0	LABEL MODEL CRX55	1
205	2434-2212-0	KNOB-STATION 1.4 DOLBY	1
206	2434-2312-0	KNOB-STATION 2.5 APC	1
207	2434-2412-0	KNOB-STATION 3.6 MTL	1
211	2434-3601-0	KNOB-FUNCTION VF	2
213	4140-7015-0	CASS DOOR CRX55	1
212	3713-5611-0	LENS-DIAL CRX55	1
306	5200-0881-0-01	TACT SWITCH 260GMF	13
401	4101-3802-0	DECK CDS36 ASC	1
609	7008-8861-0	SUB WOOFER RCA	1
1700	1710-9271-0	VF ASSY	1
CRX56 Parts Only			
109	2815-2610-0	SCREW 2.6X10	1
143	3009-1546-0	LABEL MODEL CRX56	1
205	2434-2212-0	KNOB-STATION 1.4 DOLBY	1
206	2434-2312-0	KNOB-STATION 2.5 APC	1
207	2434-2412-0	KNOB-STATION 3.6 MTL	1
211	2434-3601-0	KNOB-FUNCTION VF	1
213	4140-7016-0	CASS DOOR CRX56	1
212	3713-5711-0	TITLE DIAL LENS	1
306	5200-0881-0-01	TACT SWITCH 260GMF	12
401	4101-3802-0	DECK CDS36 ASC	1
609	7008-8861-0	SUB WOOFER RCA	1
1700	1710-9271-0	VF ASSY	1



REF. NO.	PART NO.	DESCRIPTION	QTY.
CRX45 Parts Only			
109	2815-2612-0	SCREW-M M2.6X12	2
205	2434-2211-0	KNOB-STATION 1.4	1
206	2434-2311-0	KNOB-STATION 2.5	1
207	2434-2411-0	KNOB-STATION 3.6	1
211	2434-3601-0	KNOB-FUNCTION VF	2
213	4140-7017-0	CASS DOOR CRX45	1
212	3713-5612-0	TITLE DIAL LENS	1
306	5200-0881-0-01	TACT SWITCH 260GMF	13
401	4101-3801-0	CDS-36S	1
609	7008-8871-0	RCA CONNECTOR ASSY	1
CRX46 Parts Only			
109	2815-2610-0	SCREW 2.6X10	1
143	3009-1548-0	LABEL MODEL CRX46	1
205	2434-2211-0	KNOB-STATION 1.4	1
206	2434-2311-0	KNOB-STATION 2.5	1
207	2434-2411-0	KNOB-STATION 3.6	1
211	2434-3601-0	KNOB-FUNCTION VF	1
213	4140-7018-0	CASS DOOR CRN46	1
212	3713-5712-0	TITLE DIAL LENS	1
306	5200-0881-0-01	TACT SWITCH 260GMF	12
401	4101-3801-0	CDS-36S	1
609	7008-8871-0	RCA CONNECTOR ASSY	1

■ PARTS LIST:

☐ Electrical Section.

REF	PART NO.	DESCRIPTION
FM TUNER ASSEMBLY		
C101	150F-180K-5-GG	CC 50V 18pF ±10%
C102	150F-080D-5-GG	CC 50V 8pF ±0.5pF
C104	150F-102K-5-IF	CC 50V 1000pF ±10%
C105	150E-103M-5-IF	CC 25V 0.01μF ±20%
C106	150F-050D-5-GG	CC 50V 5pF ±0.5pF
C107	150F-100D-5-GG	CC 50V 10pF ±0.5pF
C108	150F-101K-5-IF	CC 50V 100pF ±10%
C110	150F-120K-5-GG	CC 50V 12pF ±10%
C111	150F-010C-5-GG	CC 50V 1pF ±0.25pF
C112	150F-102K-5-IF	CC 50V 1000pF ±10%
C113	150F-102K-5-IF	CC 50V 1000pF ±10%
C114	150F-102K-5-IF	CC 50V 1000pF ±10%
C117	150E-103M-5-IF	CC 25V 0.01μF ±20%
D101	4804-1480-2	Diode 1N4148
L101A	1804-0090-0	Spring Coil
L101B	1804-0050-0	Spring Coil
L102	1804-0060-0	Spring Coil
L103B	1804-0070-0	Spring Coil
L103A	1804-0100-0	Spring Coil
L104	1802-0070-0	Ferrite Adj. Coil
L105	1804-0080-0	Spring Coil
L106	1801-2R2M-M	Coil 2.2μH ±20%
L107	5600-0286-0	10.7M HKS-818-009
Q101	490K-107F-5	FET 3SK107F
Q102	4851-923Y-5	TR 2SC1923Y
Q103	4905-484Z-5	FET 2N5484
Q104	4905-484X-5	FET 2N5484
Q105	485C-5490-5	TR BC549
R101	4705-473J-5	RCF 1/4W 47k ±5%
R102	4705-473J-5	RCF 1/4W 47k ±5%
R103	4705-101J-5	RCF 1/4W 100Ω ±5%
R104	4705-473J-5	RCF 1/4W 47k ±5%
R105	4705-225J-5	RCF 1/4W 2.2M ±5%
R106	4705-103J-5	RCF 1/4W 10k ±5%
R107	4705-101J-5	RCF 1/4W 100Ω ±5%
R110	4705-103J-5	RCF 1/4W 10k ±5%
TC101	1551-0050-0	Trim. 20pF T203P200
VD101	484V-C211-5	Varactor Diode SVC211SP
VD102	484V-C211-5	Varactor Diode SVC211SP
VD103	484V-C211-5	Varactor Diode SVC211SP
AM TUNER ASSEMBLY		
C201	150F-152K-6-CF	CC 50V 1500pF ±10% Chip
C202	150F-223K-6-CF	CC 50V 0.022μF ±10%
C203	150F-102K-6-CF	CC 50V 1000pF ±10%
C204	150F-223K-6-CF	CC 50V 0.022μF ±10%
C205	150F-223K-6-CF	CC 50V 0.022μF ±10%
C206	157D-226M-5-IM	CE 16V 22μF ±20%
C207	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
C208	157F-335M-5-GM	CE 50V 3.3μF ±20%
C209	15CG-100J-6-CF	CTC 0/30 10pF ±5%
C210	150F-223K-6-CF	CC 50V 0.022μF ±10%
C211	150F-102K-6-CF	CC 50V 1000pF ±10%
C213	150F-223K-6-CF	CC 50V 0.022μF ±10%
C214	15CG-180J-6-CF	CTC 0/30 18pF ±5%
C215	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
C216	150F-223K-6-CF	CC 50V 0.022μF ±10%
C217	157F-104M-5-GM	CE 50V 0.1μF ±20%
C219	150F-223K-6-CF	CC 50V 0.022μF ±10%
C220	157D-476M-5-KM	CE 16V 47μF ±20%
C223	150F-223K-6-CF	CC 50V 0.022μF ±10%

REF	PART NO.	DESCRIPTION
C227	150F-223K-6-CF	CC 50V 0.022μF ±10%
C228	157F-335M-5-GM	CE 50V 3.3μF ±20%
C230	157E-475M-5-GM	CE 25V 4.7μF ±20%
C232	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
C233	15CG-471J-6-CF	CTC 0/30 470pF ±5%
C234	15UJ-331J-5-TE	CTC 750/120 330pF ±5%
C235	15CG-101K-6-CF	CTC 0/30 100pF ±10% Chip
C236	157F-335M-5-GM	CE 50V 3.3μF ±20%
C237	157D-226M-5-IM	CE 16V 22μF ±20%
C238	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
C239	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
C240	15CG-101K-6-CF	CTC 0/30 100pF ±10% Chip
C241	150F-223K-6-CF	CC 50V 0.022μF ±10%
C242	157F-474M-5-GM	CE 50V 0.47μF ±20%
C243	157D-106M-5-GM	CE 16V 10μF ±20%
C244	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
CF201	2701-0356-0	CF PFB450J
CF202	635N-050F-5	Jumper Wire
D201	4804-1480-2	Diode 1N4148
D202	4804-1480-2	Diode 1N4148
IC201	3130-0750-0	IC LA1135
L201	1801-4R7K-M	Coil 4.7μH ±10%
L202	5600-0506-0	796K 7BN-A7979ADZ
L203	5600-0516-0	252K 126AN-A7988CI
L204	5600-0526-0	796K 7BN-A7981ADZ
L205	5600-0536-0	252K 126AN-A7987CI
L207	5600-0546-0	796K 7BO-A7984BCO
L208	5600-0556-0	796K 7BO-A7983NM
L209	1807-220J-P	Ferrite Coil 22μH BL8.5
L210	5600-0566-0	455k 7MC-A7985EK
L211	5600-0576-0	450K 7MC-A7995DC
Q201	485C-536G-5	TR 2SC536G
Q202	485C-536G-5	TR 2SC536G
Q203	485C-536G-5	TR 2SC536G
Q204	485C-536G-5	TR 2SC536G
Q205	490K-184G-5	FET2SK184GR IDS2.6-6.5MA
Q208	485C-536G-5	TR 2SC536G
Q209	485C-536G-5	TR 2SC536G
Q210	485C-536G-5	TR 2SC536G
Q211	485C-536G-5	TR 2SC536G
Q212	485A-608G-5	TR 2SA608G
Q213	485C-536G-5	TR 2SC536G
Q217	490K-163M-5	FET 2SK163M
R201	4721-223J-6	RMG 1/8W 22k ±5% Chip
R202	4721-680J-6	RMG 1/8W 68Ω ±5%
R203	4721-104J-6	RMG 1/8W 100k ±5% Chip
R204	4721-220J-6	RMG 1/8W 22Ω ±5%
R205	4721-224J-6	RMG 1/8W 220k ±5%
R206	4721-104J-6	RMG 1/8W 100k ±5% Chip
R207	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R209	4721-563J-6	RMG 1/8W 56k ±5% Chip
R210	4721-102J-6	RMG 1/8W 1k ±5% Chip
R211	4721-224J-6	RMG 1/8W 220k ±5%
R212	4721-103J-6	RMG 1/8W 10k ±5% Chip
R213	4721-220J-6	RMG 1/8W 22Ω ±5%
R215	4721-223J-6	RMG 1/8W 22k ±5% Chip
R217	4721-102J-6	RMG 1/8W 1k ±5% Chip
R218	4721-103J-6	RMG 1/8W 10k ±5% Chip
R219	4721-152J-6	RMG 1/8W 1.5k ±5% Chip
R220	4721-103J-6	RMG 1/8W 10k ±5% Chip
R222	4721-103J-6	RMG 1/8W 10k ±5% Chip
R223	4721-683J-6	RMG 1/8W 68k ±5%
R226	4721-104J-6	RMG 1/8W 100k ±5% Chip
R227	4721-103J-6	RMG 1/8W 10k ±5% Chip
R229	4721-103J-6	RMG 1/8W 10k ±5% Chip

REF	PART NO.	DESCRIPTION
R230	4721-820J-6	RMG 1/8W 82Ω ±5% Chip
R232	4721-223J-6	RMG 1/8W 22k ±5% Chip
R233	4721-105J-6	RMG 1/8W 1M ±5%
R234	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R244	4721-000J-6	RMG 1/8W 0Ω ±5%
TC202	1551-0120-0	Trim. 10pF TZ03N100ER
TC203	1551-0050-0	Trim. 20pF T203P200
TC204	1551-0030-0	Trim. 60pF T2309600
TC205	1551-0030-0	Trim. 60pF T2309600
VD201	484C-321D-5	AM Vari. Cap Diode SVC321-D
VD202	484C-321D-5	AM Vari. Cap Diode SVC321-D
VD203	484C-321D-5	AM Vari. Cap Diode SVC321-D
VR201	4755-2036-3-01	SVR 20k
TAPE BOOSTER ASSEMBLY		
C306	157D-476M-5-IU	CE 16V 47μF ±20%
C307	157C-107M-5-KQ	CE 10V 100μF ±20%
C331	157D-106M-5-GM	CE 16V 10μF ±20%
C332	157D-106M-5-GM	CE 16V 10μF ±20%
C333	157D-106M-5-GM	CE 16V 10μF ±20%
C334	157D-106M-5-GM	CE 16V 10μF ±20%
C342	157D-107M-5-KW	CE 16V 100μF ±20%
C343	157D-474M-5-II	CE 16V 0.47μF ±20%
D301	4804-1480-2	Diode 1N4148
D302	4804-1480-2	Diode 1N4148
D320	4804-1480-2	Diode 1N4148
D321	4804-1480-2	Diode 1N4148
IC402	3130-0700-0	IC LA6458SS LCD
Q302	485C-536G-5	TR 2SC536G
Q304	4860-0060-5	TR 8550 C/D KEC
Q305	4860-0060-5	TR 8550 C/D KEC
Q315	4860-0050-5	TR 8050 C/D KEC
Q316	4860-0050-5	TR 8050 C/D KEC
Q320	4860-0050-5	TR 8050 C/D KEC
Q321	4860-0060-5	TR 8550 C/D KEC
Q322	4860-0050-5	TR 8050 C/D KEC
Q323	4860-0050-5	TR 8050 C/D KEC
R307	4721-102J-6	RMG 1/8W 1k ±5% Chip
R308	4721-122J-6	RMG 1/8W 1.2k ±5% Chip
R309	4721-104J-6	RMG 1/8W 100k ±5% Chip
R310	4721-124J-6	RMG 1/8W 120k ±5% Chip
R312	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R313	4721-103J-6	RMG 1/8W 10k ±5% Chip
R314	4721-103J-6	RMG 1/8W 10k ±5% Chip
R315	4721-102J-6	RMG 1/8W 1k ±5% Chip
R316	4721-104J-6	RMG 1/8W 100k ±5% Chip
R317	4721-102J-6	RMG 1/8W 1k ±5% Chip
R318	4721-104J-6	RMG 1/8W 100k ±5% Chip
R319	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R320	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R321	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R335	4721-000J-6	RMG 1/8W 0Ω ±5%
R338	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R340	4708-5R6J-1	RCF 1W 5.6Ω ±5%
R343	4721-104J-6	RMG 1/8W 100k ±5% Chip
R344	4721-104J-6	RMG 1/8W 100k ±5% Chip
R345	4721-104J-6	RMG 1/8W 100k ±5% Chip
R346	4721-820J-6	RMG 1/8W 82Ω ±5% Chip
R347	4721-820J-6	RMG 1/8W 82Ω ±5% Chip
R348	4721-223J-6	RMG 1/8W 22k ±5% Chip
R349	4721-223J-6	RMG 1/8W 22k ±5% Chip
R350	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R351	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R352	4721-102J-6	RMG 1/8W 1k ±5% Chip
R355	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
CRX55 and CRX56 Parts Only		
C303	150F-332K-6-CF	CC 50V 3300pF ±10%

REF	PART NO.	DESCRIPTION
C304	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
C305	157D-106M-5-GM	CE 16V 10μF ±20%
C308	635N-020F-5	Jumper Wire
C309	635N-020F-5	Jumper Wire
C312	157F-105M-5-GM	CE 50V 1μF ±20%
C313	157F-105M-5-GM	CE 50V 1μF ±20%
C330	150F-473M-6-CF	CC 50V 0.047μF ±20% Chip
C340	157D-106M-5-GM	CE 16V 10μF ±20%
C341	157D-106M-5-GM	CE 16V 10μF ±20%
IC401	3130-0700-0	IC LA6458SS LCD
Q301	4860-0050-5	TR 8050 C/D KEC
R303	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R304	4721-563J-6	RMG 1/8W 56k ±5% Chip
R305	4721-563J-6	RMG 1/8W 56k ±5% Chip
R306	4721-331J-6	RMG 1/8W 330Ω ±5% Chip
R311	4721-103J-6	RMG 1/8W 10k ±5% Chip
R328	4721-000J-6	RMG 1/8W 0Ω ±5%
R329	4721-000J-6	RMG 1/8W 0Ω ±5%
R336	4721-103J-6	RMG 1/8W 10k ±5% Chip
R337	4721-103J-6	RMG 1/8W 10k ±5% Chip
R341	4721-223J-6	RMG 1/8W 22k ±5% Chip
R342	4721-563J-6	RMG 1/8W 56k ±5% Chip
CRX45 and CRX46 Parts Only		
C308	157F-105M-5-GM	CE 50V 1μF ±20%
C309	157F-105M-5-GM	CE 50V 1μF ±20%
C310	15CG-100D-6-CF	CTC 0/30 10pF ±5%
C311	15CG-100D-6-CF	CTC 0/30 10pF ±5%
C312	157F-105M-5-GM	CE 50V 1μF ±20%
C313	157F-105M-5-GM	CE 50V 1μF ±20%
C314	157C-107M-5-KQ	CE 10V 100μF ±20%
D303	4804-1480-2	Diode 1N4148
Q307	485C-536G-5	TR 2SC536G
Q308	485C-536G-5	TR 2SC536G
Q309	485C-536G-5	TR 2SC536G
Q310	485C-536G-5	TR 2SC536G
R322	4721-561J-6	RMG 1/8W 560 Ω ±5% Chip
R323	4721-271J-6	RMG 1/8W 270Ω ±5% Chip
R324	4721-103J-6	RMG 1/8W 10k ±5% Chip
R325	4721-103J-6	RMG 1/8W 10k ±5% Chip
R326	4721-274J-6	RMG 1/8W 220k ±5% Chip
R327	4721-274J-6	RMG 1/8W 220k ±5% Chip
R328	4721-474J-6	RMG 1/8W 470k ±5% Chip
R329	4721-474J-6	RMG 1/8W 470k ±5% Chip
R330	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R331	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R332	4721-271J-6	RMG 1/8W 270Ω ±5% Chip
MAIN BOARD ASSEMBLY		
C402	150F-331K-5-RF	CC 50V 330pF ±10%
C403	15CH-120J-5-GG	CTC 0/60 12pF ±5%
C404	154D-225M-5-HM	CT 16V 2.2μF ±20%
C405	154E-105M-5-HM	CT 25V 1μF ±20%
C406	150D-103M-2-FC	CC 16V 0.01μF ±20%
C407	150D-103M-2-FC	CC 16V 0.01μF ±20%
C408	150D-103M-2-FC	CC 16V 0.01μF ±20%
C409	157F-225M-5-GM	CE 50V 2.2μF ±20%
C410	157D-476M-5-KM	CE 16V 47μF ±20%
C411	4060-0510-0	NEC Super Cap Fayhon 104Z
C412	157D-227M-5-OW	CE 16V 220μF ±20%
C413	150D-222M-2-FC	CC 16V 2200pF ±20%
C414	157F-225M-5-GM	CE 50V 2.2μF ±20%
C415	157F-225M-5-GM	CE 50V 2.2μF ±20%
C416	150D-222M-2-FC	CC 16V 2200pF ±20%
C417	157F-475M-5-GM	CE 50V 4.7μF ±20%
C418	157D-226M-5-IM	CE 16V 22μF ±20%
C419	157D-226M-5-IM	CE 16V 22μF ±20%

REF	PART NO.	DESCRIPTION
R230	4721-820J-6	RMG 1/8W 82Ω ±5% Chip
R232	4721-223J-6	RMG 1/8W 22k ±5% Chip
R233	4721-105J-6	RMG 1/8W 1M ±5%
R234	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R244	4721-000J-6	RMG 1/8W 0Ω ±5%
TC202	1551-0120-0	Trim. 10pF TZ03N100ER
TC203	1551-0050-0	Trim. 20pF T203P200
TC204	1551-0030-0	Trim. 60pF T2309600
TC205	1551-0030-0	Trim. 60pF T2309600
VD201	484C-321D-5	AM Vari. Cap Diode SVC321-D
VD202	484C-321D-5	AM Vari. Cap Diode SVC321-D
VD203	484C-321D-5	AM Vari. Cap Diode SVC321-D
VR201	4755-2036-3-01	SVR 20k
TAPE BOOSTER ASSEMBLY		
C306	157D-476M-5-IU	CE 16V 47μF ±20%
C307	157C-107M-5-KQ	CE 10V 100μF ±20%
C331	157D-106M-5-GM	CE 16V 10μF ±20%
C332	157D-106M-5-GM	CE 16V 10μF ±20%
C333	157D-106M-5-GM	CE 16V 10μF ±20%
C334	157D-106M-5-GM	CE 16V 10μF ±20%
C342	157D-107M-5-KW	CE 16V 100μF ±20%
C343	157D-474M-5-II	CE 16V 0.47μF ±20%
D301	4804-1480-2	Diode 1N4148
D302	4804-1480-2	Diode 1N4148
D320	4804-1480-2	Diode 1N4148
D321	4804-1480-2	Diode 1N4148
IC402	3130-0700-0	IC LA6458SS LCD
Q302	485C-536G-5	TR 2SC536G
Q304	4860-0060-5	TR 8550 C/D KEC
Q305	4860-0060-5	TR 8550 C/D KEC
Q315	4860-0050-5	TR 8050 C/D KEC
Q316	4860-0050-5	TR 8050 C/D KEC
Q320	4860-0050-5	TR 8050 C/D KEC
Q321	4860-0060-5	TR 8550 C/D KEC
Q322	4860-0050-5	TR 8050 C/D KEC
Q323	4860-0050-5	TR 8050 C/D KEC
R307	4721-102J-6	RMG 1/8W 1k ±5% Chip
R308	4721-122J-6	RMG 1/8W 1.2k ±5% Chip
R309	4721-104J-6	RMG 1/8W 100k ±5% Chip
R310	4721-124J-6	RMG 1/8W 120k ±5% Chip
R312	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R313	4721-103J-6	RMG 1/8W 10k ±5% Chip
R314	4721-103J-6	RMG 1/8W 10k ±5% Chip
R315	4721-102J-6	RMG 1/8W 1k ±5% Chip
R316	4721-104J-6	RMG 1/8W 100k ±5% Chip
R317	4721-102J-6	RMG 1/8W 1k ±5% Chip
R318	4721-104J-6	RMG 1/8W 100k ±5% Chip
R319	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R320	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R321	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R335	4721-000J-6	RMG 1/8W 0Ω ±5%
R338	4721-390J-6	RMG 1/8W 39Ω ±5% Chip
R340	4708-5R6J-1	RCF 1W 5.6Ω ±5%
R343	4721-104J-6	RMG 1/8W 100k ±5% Chip
R344	4721-104J-6	RMG 1/8W 100k ±5% Chip
R345	4721-104J-6	RMG 1/8W 100k ±5% Chip
R346	4721-820J-6	RMG 1/8W 82Ω ±5% Chip
R347	4721-820J-6	RMG 1/8W 82Ω ±5% Chip
R348	4721-223J-6	RMG 1/8W 22k ±5% Chip
R349	4721-223J-6	RMG 1/8W 22k ±5% Chip
R350	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R351	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R352	4721-102J-6	RMG 1/8W 1k ±5% Chip
R355	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
CRX55 and CRX56 Parts Only		
C303	150F-332K-6-CF	CC 50V 3300pF ±10%

REF	PART NO.	DESCRIPTION
C304	150F-103K-6-CF	CC 50V 0.01μF ±10% Chip
C305	157D-106M-5-GM	CE 16V 10μF ±20%
C308	635N-020F-5	Jumper Wire
C309	635N-020F-5	Jumper Wire
C312	157F-105M-5-GM	CE 50V 1μF ±20%
C313	157F-105M-5-GM	CE 50V 1μF ±20%
C330	150F-473M-6-CF	CC 50V 0.047μF ±20% Chip
C340	157D-106M-5-GM	CE 16V 10μF ±20%
C341	157D-106M-5-GM	CE 16V 10μF ±20%
IC401	3130-0700-0	IC LA6458SS LCD
Q301	4860-0050-5	TR 8050 C/D KEC
R303	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R304	4721-563J-6	RMG 1/8W 56k ±5% Chip
R305	4721-563J-6	RMG 1/8W 56k ±5% Chip
R306	4721-331J-6	RMG 1/8W 330Ω ±5% Chip
R311	4721-103J-6	RMG 1/8W 10k ±5% Chip
R328	4721-000J-6	RMG 1/8W 0Ω ±5%
R329	4721-000J-6	RMG 1/8W 0Ω ±5%
R336	4721-103J-6	RMG 1/8W 10k ±5% Chip
R337	4721-103J-6	RMG 1/8W 10k ±5% Chip
R341	4721-223J-6	RMG 1/8W 22k ±5% Chip
R342	4721-563J-6	RMG 1/8W 56k ±5% Chip
CRX45 and CRX46 Parts Only		
C308	157F-105M-5-GM	CE 50V 1μF ±20%
C309	157F-105M-5-GM	CE 50V 1μF ±20%
C310	15CG-100D-6-CF	CTC 0/30 10pF ±5%
C311	15CG-100D-6-CF	CTC 0/30 10pF ±5%
C312	157F-105M-5-GM	CE 50V 1μF ±20%
C313	157F-105M-5-GM	CE 50V 1μF ±20%
C314	157C-107M-5-KQ	CE 10V 100μF ±20%
D303	4804-1480-2	Diode 1N4148
Q307	485C-536G-5	TR 2SC536G
Q308	485C-536G-5	TR 2SC536G
Q309	485C-536G-5	TR 2SC536G
Q310	485C-536G-5	TR 2SC536G
R322	4721-561J-6	RMG 1/8W 560 Ω ±5% Chip
R323	4721-271J-6	RMG 1/8W 270Ω ±5% Chip
R324	4721-103J-6	RMG 1/8W 10k ±5% Chip
R325	4721-103J-6	RMG 1/8W 10k ±5% Chip
R326	4721-274J-6	RMG 1/8W 220k ±5% Chip
R327	4721-274J-6	RMG 1/8W 220k ±5% Chip
R328	4721-474J-6	RMG 1/8W 470k ±5% Chip
R329	4721-474J-6	RMG 1/8W 470k ±5% Chip
R330	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R331	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R332	4721-271J-6	RMG 1/8W 270Ω ±5% Chip
MAIN BOARD ASSEMBLY		
C402	150F-331K-5-RF	CC 50V 330pF ±10%
C403	15CH-120J-5-GG	CTC 0/60 12pF ±5%
C404	154D-225M-5-HM	CT 16V 2.2μF ±20%
C405	154E-105M-5-HM	CT 25V 1μF ±20%
C406	150D-103M-2-FC	CC 16V 0.01μF ±20%
C407	150D-103M-2-FC	CC 16V 0.01μF ±20%
C408	150D-103M-2-FC	CC 16V 0.01μF ±20%
C409	157F-225M-5-GM	CE 50V 2.2μF ±20%
C410	157D-476M-5-KM	CE 16V 47μF ±20%
C411	4060-0510-0	NEC Super Cap Fayhon 104Z
C412	157D-227M-5-OW	CE 16V 220μF ±20%
C413	150D-222M-2-FC	CC 16V 2200pF ±20%
C414	157F-225M-5-GM	CE 50V 2.2μF ±20%
C415	157F-225M-5-GM	CE 50V 2.2μF ±20%
C416	150D-222M-2-FC	CC 16V 2200pF ±20%
C417	157F-475M-5-GM	CE 50V 4.7μF ±20%
C418	157D-226M-5-IM	CE 16V 22μF ±20%
C419	157D-226M-5-IM	CE 16V 22μF ±20%

REF	PART NO.	DESCRIPTION
C420	157D-227M-5-OW	CE 16V 220μF ±20%
C421	157D-228M-5-W9	CE 16V 2200μF ±20%
C422	153F-104K-5-PT	CM 50V 0.1μF ±10%
C423	153F-104K-5-PT	CM 50V 0.1μF ±10%
C424	153F-104K-5-PT	CM 50V 0.1μF ±10%
C425	153F-104K-5-PT	CM 50V 0.1μF ±10%
C426	150D-682M-2-FC	CC 16V 6800pF ±20%
C427	157F-224M-5-GM	CE 50V 0.22μF ±20%
C428	150E-473M-5-OG	CC 25V 0.047μF ±20%
C429	150D-223M-5-MG	CC 16V 0.022μF ±20%
C430	150E-473M-5-OG	CC 25V 0.047μF ±20%
C431	150E-333M-5-OG	CC 25V 0.033μF ±20%
C432	150D-332M-2-FC	CC 16V 3300pF ±20%
C433	150D-103M-2-FC	CC 16V 0.01μF ±20%
C434	157F-475M-5-GM	CE 50V 4.7μF ±20%
C436	157F-104M-5-GM	CE 50V 0.1μF ±20%
C437	157F-224M-5-GM	CE 50V 0.22μF ±20%
C438	157D-476M-5-IU	CE 16V 47μF ±20%
C439	153F-153K-5-KP	CM 50V 0.015μF ±10%
C440	153F-153K-5-KP	CM 50V 0.015μF ±10%
C441	150F-102K-2-FC	CC 50V 1000pF ±10%
C442	150F-102K-2-FC	CC 50V 1000pF ±10%
C446	157D-107M-5-KW	CE 16V 100μF ±20%
C451	150D-223M-5-MG	CC 16V 0.022μF ±20%
C452	150F-101K-2-FC	CC 50V 100pF ±10%
C457	157D-107M-5-KW	CE 16V 100μF ±20%
C458	157F-335M-5-GM	CE 50V 3.3μF ±20%
C459	150E-104Z-5-UF	CC 25V 0.1μF Z%
C460	153F-222K-5-KW	CM 50V 2200pF ±10%
C464	157F-225M-5-GM	CE 50V 2.2μF ±20%
C465	157F-475M-5-GM	CE 50V 4.7μF ±20%
C466	150D-103M-2-FC	CC 16V 0.01μF ±20%
C467	150D-103M-2-FC	CC 16V 0.01μF ±20%
C468	150D-103M-2-FC	CC 16V 0.01μF ±20%
C469	157C-476M-5-KM	CE 10V 47μF ±20%
C470	150D-103M-2-FC	CC 16V 0.01μF ±20%
C471	150D-223M-5-MG	CC 16V 0.022μF ±20%
C472	150D-223M-5-MG	CC 16V 0.022μF ±20%
C473	150D-223M-5-MG	CC 16V 0.022μF ±20%
C474	150D-104M-5-OG	CC 16V 0.1μ ±20%
C475	150F-101K-2-FC	CC 50V 100pF ±10%
C476	15UJ-331J-5-TE	CTC 750/120 330pF ±5%
C477	157C-107M-5-KM	CE 10V 100μF ±20%
C479	150D-103M-2-FC	CC 16V 0.01μF ±20%
C481	150D-103M-2-FC	CC 16V 0.01μF ±20%
C482	150D-103M-2-FC	CC 16V 0.01μF ±20%
C483	157F-225M-5-GM	CE 50V 2.2μF ±20%
C484	157D-106M-5-GM	CE 16V 10μF ±20%
C485	150D-103M-2-FC	CC 16V 0.01μF ±20%
C486	150F-470J-5-IF	CC 50V 47pF ±5%
C488	157F-474M-5-GM	CE 50V 0.47μF ±20%
C489	150F-390K-5-GG	CC 50V 39pF ±5%
C492	150D-104M-5-OG	CC 16V 0.1μ ±20%
C493	150D-104M-5-OG	CC 16V 0.1μ ±20%
C494	150D-223M-5-MG	CC 16V 0.022μF ±20%
C495	150D-472M-2-FC	CC 16V 4700pF ±20%
C500	157F-225M-5-GM	CE 50V 2.2μF ±20%
C502	150E-104Z-5-UF	CC 25V 0.1μF Z%
C503	157D-106M-5-GM	CE 16V 10μF ±20%
C504	157C-107M-5-KM	CE 10V 100μF ±20%
C505	150D-104M-5-OG	CC 16V 0.1μ ±20%
C506	150D-103M-2-FC	CC 16V 0.01μF ±20%
C507	150F-221K-2-FC	CC 50V 220pF ±10%
C508	150D-103M-2-FC	CC 16V 0.01μF ±20%
C509	150D-103M-2-FC	CC 16V 0.01μF ±20%
C510	150D-103M-2-FC	CC 16V 0.01μF ±20%
C511	150D-103M-2-FC	CC 16V 0.01μF ±20%
C512	150F-390K-5-GG	CC 50V 39pF ±5%

REF	PART NO.	DESCRIPTION
C514	157F-225M-5-GM	CE 50V 2.2μF ±20%
C515	150D-104M-5-OG	CC 16V 0.1μ ±20%
C517	15SH-181J-5-TE	CTC 330/60 180pF ±5%
C518	150D-222M-2-FC	CC 16V 2200pF ±20%
C519	150F-101K-2-FC	CC 50V 100pF ±10%
C520	153F-104K-5-PT	CM 50V 0.1μF ±10%
C521	1801-R22M-M	Ferrite Inductor 0.22μH ±20%
C523	150F-220J-2-FC	CC 50V 22pF ±5%
C524	157D-476M-5-IU	CE 16V 47μF ±20%
CF401	2701-0116-1	CF SFE10.7MSZA
CF402	2701-0116-1	CF SFE10.7MSZA
CF403	2701-0106-1	CF SFE10.7MS3Z
D401	4804-1480-2	Diode 1N4148
D402	4804-1480-C	Diode 1N4148
D403	4804-1480-C	Diode 1N4148
D404	4804-1480-C	Diode 1N4148
D405	4804-1480-C	Diode 1N4148
D406	4804-1480-C	Diode 1N4148
D412	4804-1480-2	Diode 1N4148
D413	4804-1480-2	Diode 1N4148
D414	4804-1480-2	Diode 1N4148
D415	4804-1480-2	Diode 1N4148
D416	4804-1480-2	Diode 1N4148
D417	4804-1480-2	Diode 1N4148
D418	4804-1480-2	Diode 1N4148
D419	4804-1480-2	Diode 1N4148
D420	4804-1480-2	Diode 1N4148
D421	4804-1480-2	Diode 1N4148
D422	4804-1480-2	Diode 1N4148
D423	4804-1480-2	Diode 1N4148
D424	4804-1480-2	Diode 1N4148
D425	4804-1480-2	Diode 1N4148
D432	4804-1480-2	Diode 1N4148
D434	4804-1480-2	Diode 1N4148
D435	4804-1480-2	Diode 1N4148
D438	4804-1480-2	Diode 1N4148
D439	4804-1480-2	Diode 1N4148
D440	4804-1480-2	Diode 1N4148
D441	4804-1480-2	Diode 1N4148
D442	4804-1480-2	Diode 1N4148
D445	4804-1480-2	Diode 1N4148
D446	4804-1480-2	Diode 1N4148
D447	4804-1480-2	Diode 1N4148
D448	4804-1480-2	Diode 1N4148
D449	4804-1480-2	Diode 1N4148
D450	4804-1480-2	Diode 1N4148
D451	4804-1480-2	Diode 1N4148
D452	4804-1480-2	Diode 1N4148
D453	4804-1480-2	Diode 1N4148
D454	4804-1480-2	Diode 1N4148
D455	4840-0100-0	Diode 2A
D456	4804-0010-1	Diode 1N4001 AL
D460	4804-1480-2	Diode 1N4148
D461	4804-1480-2	Diode 1N4148
IC401	3130-2700-0	IC-NEC 1723
IC402	3130-0390-0	IC LA1140
IC404	3130-2560-0	IC AN7465
IC405	3130-2200-0	IC TA8210AH
J538	4701-103J-C	RCF 1/8W 10k ±5%
L101	1806-0111-0	Power Choke 1.6mH
L401	1801-4R7K-M	Coil 4.7μH ±10%
L402	5600-0726-0	10.7M F292ACA-A0528ZH
L403	1801-270K-M	Coil 27μH,10%,AL,BLT
L404	1801-R39K-M	Coil 0.39μH,10%,AL,BLT
Q401	485C-536G-5	TR 2SC536G
Q402	485C-536G-5	TR 2SC536G
Q403	485C-536G-5	TR 2SC536G
Q404	485A-608F-5	TR 2SA608F
Q406	485A-608F-5	TR 2SA608F
Q407	4860-0050-5	TR 8050 C/D KEC

REF	PART NO.	DESCRIPTION
Q408	485A-608F-5	TR 2SA608F
Q410	485C-536G-5	TR 2SC536G
Q412	4852-668O-5	TR 2SC2668-O
Q413	4852-668O-5	TR 2SC2668-O
Q415	485C-536G-5	TR 2SC536G
Q416	485A-608F-5	TR 2SA608F
Q417	485C-536G-5	TR 2SC536G
Q418	485C-536G-5	TR 2SC536G
Q419	485C-536G-5	TR 2SC536G
Q420	485C-536G-5	TR 2SC536G
Q421	485A-608F-5	08F
Q422	4858-050C-5	50C
Q423	485C-536G-5	36G
Q424	4860-0060-5	C/D KEC
Q425	4860-0050-5	C/D KEC
Q426	485A-608F-5	608F
Q427	485C-930E-5	930E
Q428	4858-050C-5	50C
R401	4701-332J-C	RCF 1/8W 3.3k ±5%
R402	4701-681J-C	RCF 1/8W 680Ω ±5%
R403	4701-102J-C	RCF 1/8W 1k ±5%
R404	4701-100J-C	RCF 1/8W 10Ω ±5%
R405	4701-102J-C	RCF 1/8W 1k ±5%
R407	4701-331J-C	RCF 1/8W 330Ω ±5%
R409	4701-102J-C	RCF 1/8W 1k ±5%
R410	4701-473J-C	RCF 1/8W 47k ±5%
R411	4701-332J-C	RCF 1/8W 3.3k ±5%
R412	4701-104J-C	RCF 1/8W 100k ±5%
R413	4701-223J-C	RCF 1/8W 22k ±5%
R414	4701-104J-C	RCF 1/8W 100k ±5%
R415	4701-273J-C	RCF 1/8W 27k ±5%
R416	4701-223J-C	RCF 1/8W 22k ±5%
R417	4701-332J-C	RCF 1/8W 3.3k ±5%
R418	4701-152J-C	RCF 1/8W 1.5k ±5%
R419	4701-223J-C	RCF 1/8W 22k ±5%
R420	4701-104J-C	RCF 1/8W 100k ±5%
R421	4701-104J-C	RCF 1/8W 100k ±5%
R422	4701-562J-C	RCF 1/8W 5.6k ±5%
R423	4701-104J-C	RCF 1/8W 100k ±5%
R434	4701-223J-C	RCF 1/8W 22k ±5%
R440	4701-102J-C	RCF 1/8W 1k ±5%
R441	4701-473J-C	RCF 1/8W 47k ±5%
R444	4701-102J-C	RCF 1/8W 1k ±5%
R445	4701-272J-C	RCF 1/8W 2.7k ±5%
R446	4701-752J-C	RCF 1/8W 7.5k ±5%
R447	4701-152J-C	RCF 1/8W 1.5k ±5%
R450	4701-473J-C	RCF 1/8W 47k ±5%
R453	4701-101J-C	RCF 1/8W 100Ω ±5%
R454	4701-103J-C	RCF 1/8W 10k ±5%
R455	4701-473J-C	RCF 1/8W 47k ±5%
R456	4701-473J-C	RCF 1/8W 47k ±5%
R457	4701-822J-C	RCF 1/8W 8.2k ±5%
R458	4701-472J-C	RCF 1/8W 4.7k ±5%
R460	4701-472J-C	RCF 1/8W 4.7k ±5%
R462	4701-473J-C	RCF 1/8W 47k ±5%
R463	4701-223J-C	RCF 1/8W 22k ±5%
R464	4701-220J-C	RCF 1/8W 22Ω ±5%
R465	4701-332J-C	RCF 1/8W 3.3k ±5%
R468	4701-332J-C	RCF 1/8W 3.3k ±5%
R469	4701-473J-C	RCF 1/8W 47k ±5%
R470	4701-223J-C	RCF 1/8W 22k ±5%
R471	4701-223J-C	RCF 1/8W 22k ±5%
R473	4701-333J-C	RCF 1/8W 33k ±5%
R474	4701-153J-C	RCF 1/8W 15k ±5%
R475	4701-102J-C	RCF 1/8W 1k ±5%
R477	4701-474J-C	RCF 1/8W 470k ±5%
R479	4701-331J-C	RCF 1/8W 330Ω ±5%
R480	4701-105J-C	RCF 1/8W 1M ±5%
R481	4701-222J-C	RCF 1/8W 2.2k ±5%

REF	PART NO.	DESCRIPTION
R482	4701-473J-C	RCF 1/8W 47k ±5%
R484	4701-223J-C	RCF 1/8W 22k ±5%
R486	4701-222J-C	RCF 1/8W 2.2k ±5%
R487	4701-394J-C	RCF 1/8W 390k ±5%
R488	4701-224J-C	RCF 1/8W 220k ±5%
R489	4701-123J-C	RCF 1/8W 12k ±5%
R491	4701-220J-C	RCF 1/8W 22Ω ±5%
R492	4701-273J-C	RCF 1/8W 27k ±5%
R493	4701-104J-C	RCF 1/8W 100k ±5%
R494	4701-473J-C	RCF 1/8W 47k ±5%
R497	4701-222J-C	RCF 1/8W 2.2k ±5%
R498	4701-104J-C	RCF 1/8W 100k ±5%
R499	4701-183J-C	RCF 1/8W 18k ±5%
R500	4701-183J-C	RCF 1/8W 18k ±5%
R502	4701-333J-C	RCF 1/8W 33k ±5%
R505	4701-473J-5	RCF 1/8W 47k ±5%
R508	4701-331J-C	RCF 1/8W 330Ω ±5%
R510	4701-330J-C	RCF 1/8W 33Ω ±5%
R511	4701-221J-C	RCF 1/8W 220Ω ±5%
R512	4701-221J-C	RCF 1/8W 220Ω ±5%
R513	4701-101J-C	RCF 1/8W 100Ω ±5%
R514	4701-330J-C	RCF 1/8W 33Ω ±5%
R517	4701-332J-C	RCF 1/8W 3.3k ±5%
R518	4701-332J-C	RCF 1/8W 3.3k ±5%
R529	4701-223J-C	RCF 1/8W 22k ±5%
R530	4701-153J-C	RCF 1/8W 15k ±5%
R531	4701-103J-C	RCF 1/8W 10k ±5%
R532	4701-563J-C	RCF 1/8W 56k ±5%
R533	4701-272J-C	RCF 1/8W 2.7k ±5%
R536	4701-331J-C	RCF 1/8W 330Ω ±5%
R539	4701-331J-C	RCF 1/8W 330Ω ±5%
R540	4701-103J-C	RCF 1/8W 10k ±5%
R550	4701-183J-C	RCF 1/8W 18k ±5%
R551	4701-564J-C	RCF 1/8W 560k ±5%
R553	4701-562J-C	RCF 1/8W 5.6k ±5%
R555	4701-153J-C	RCF 1/8W 15k ±5%
R556	4701-102J-C	RCF 1/8W 1k ±5%
R557	4701-103J-C	RCF 1/8W 10k ±5%
R558	4701-220J-C	RCF 1/8W 22Ω ±5%
R559	4701-104J-C	RCF 1/8W 100k ±5%
R560	4701-104J-C	RCF 1/8W 100k ±5%
R563	4701-103J-C	RCF 1/8W 10k ±5%
R564	4701-562J-C	RCF 1/8W 5.6k ±5%
R568	4701-103J-C	RCF 1/8W 10k ±5%
R569	4701-102J-C	RCF 1/8W 1k ±5%
R571	4701-102J-C	RCF 1/8W 1k ±5%
R572	4701-2R2J-C	RCF 1/8W 2.2Ω ±5%
R573	4701-2R2J-C	RCF 1/8W 2.2Ω ±5%
R574	4701-2R2J-C	RCF 1/8W 2.2Ω ±5%
R575	4701-2R2J-C	RCF 1/8W 2.2Ω ±5%
R576	4701-103J-C	RCF 1/8W 10k ±5%
R577	4701-223J-C	RCF 1/8W 22k ±5%
R578	4701-220J-C	RCF 1/8W 22Ω ±5%
R580	4701-561J-C	RCF 1/8W 560Ω ±5%
R581	4705-010J-2	RCF 1/4W 1Ω ±5%
VR401	4756-5026-3-03	SVR 5k H3 6.7X6.3
VR402	4756-1036-3-03	SVR 10k H3 6.7X6.3
VR403	4756-2036-3-03	SVR H3 20k
VR404	4756-1036-3-03	SVR 10k H3 6.7X6.3
VR405	4756-2026-3-03	SVR 2k
XT401	2300-0010-0	Crystal 4.5MHz
ZD401	4837-5V11-2	Zener Diode 1/2W 5.1V ROHM
ZD402	4837-6V21-2	Zener Diode 1/2W 6.2V ROHM
ZD404	4837-8B10-2	Zener Diode 1/2W 10.2-10.6V
CRX55 and CRX45 Parts Only		
D431	4804-1480-2	Diode 1N4148
R554	4701-333J-C	RCF 1/8W 33k ±5%

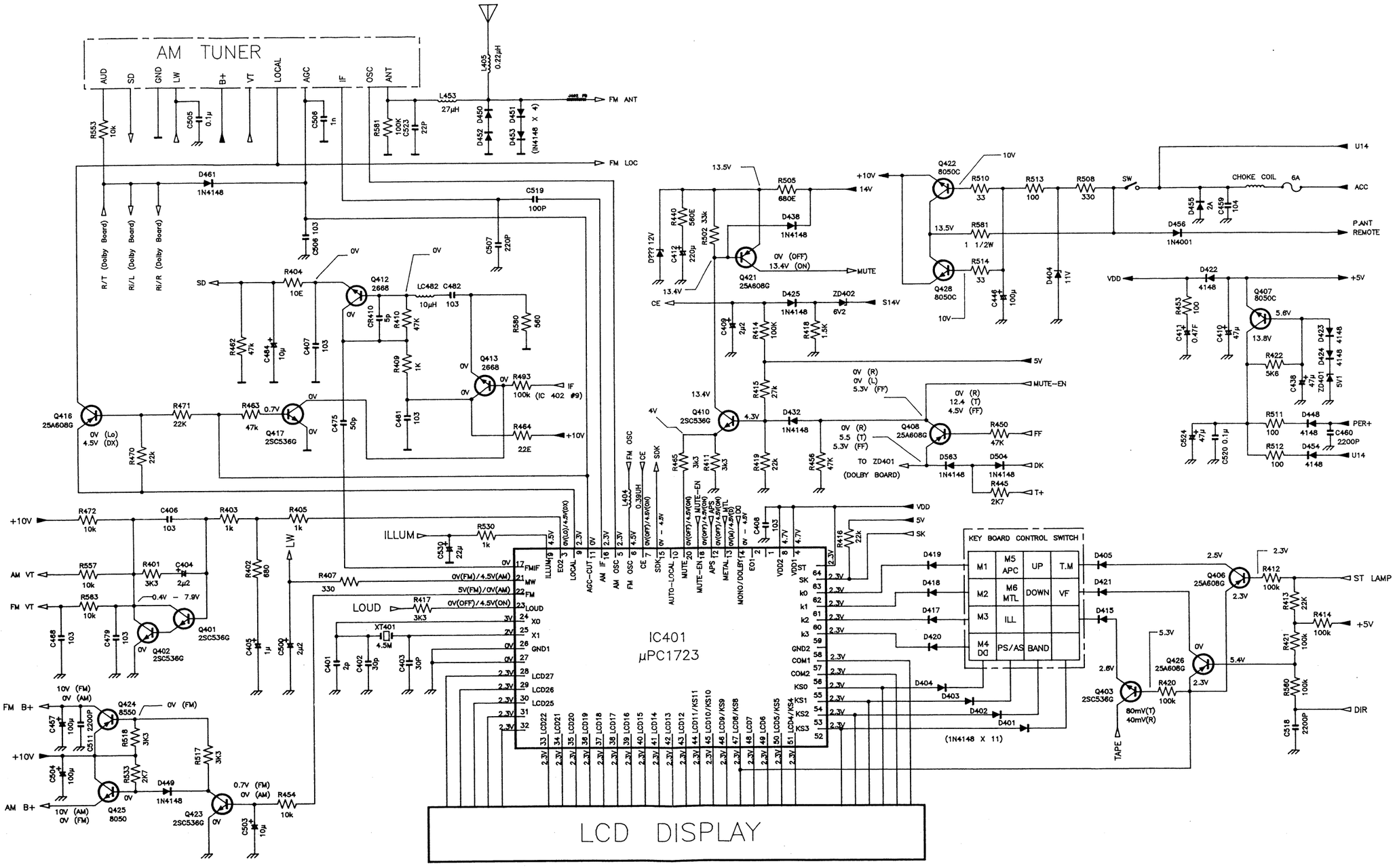
REF	PART NO.	DESCRIPTION
DOLBY BOARD ASSEMBLY		
C401	15CG-681J-6-CF	CTC 0/30 680pF ±5% Chip
C402	15CG-681J-6-CF	CTC 0/30 680pF ±5% Chip
C403	157F-474M-5-GM	CE 50V 0.47µF ±20%
C404	157F-474M-5-GM	CE 50V 0.47µF ±20%
C405	15CG-561J-6-CF	CTC 0/30 560pF ±5% Chip
C406	15CG-561J-6-CF	CTC 0/30 560pF ±5% Chip
C407	150F-103K-6-CF	CC 50V 0.01µF ±10% Chip
C408	150F-103K-6-CF	CC 50V 0.01µF ±10% Chip
C409	157D-476M-5-IU	CE 16V 47µF ±20%
C410	157D-476M-5-IU	CE 16V 47µF ±20%
C411	157C-107M-5-IU	CE 10V 100µF ±20%
C423	157F-105M-5-GM	CE 50V 1µF ±20%
C430	157F-105M-5-GM	CE 50V 1µF ±20%
C431	157F-105M-5-GM	CE 50V 1µF ±20%
C432	157F-105M-5-GM	CE 50V 1µF ±20%
C433	157C-477M-5-OW	CE 10V 470µF ±20%
C434	157D-106M-5-GM	CE 16V 10µF ±20%
C435	157D-336M-5-IU	CE 16V 33µF ±20%
D406	4804-0010-2	Diode 1N4001
D407	4804-1480-2	Diode 1N4148
D408	4804-1480-2	Diode 1N4148
D409	4804-1480-2	Diode 1N4148
D410	4804-1480-2	Diode 1N4148
D413	4804-1480-2	Diode 1N4148
D414	4804-1480-2	Diode 1N4148
IC401	3130-0620-0	IC UPC1228HA
J415	4721-000J-6	RMG 1/8W 0Ω ±5%
J417	4721-000J-6	RMG 1/8W 0Ω ±5%
J418	4721-000J-6	RMG 1/8W 0Ω ±5%
J419	4721-000J-6	RMG 1/8W 0Ω ±5%
J420	4721-182J-6	RMG 1/8W 1.8k ±5% Chip
Q404	485C-945P-5	TR 2SC945P
Q405	4860-0060-5	TR 8550 C/D KEC
R401	4721-473J-6	RMG 1/8W 47k ±5% Chip
R402	4721-473J-6	RMG 1/8W 47k ±5% Chip
R403	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R404	4721-334J-6	RMG 1/8W 330k ±5% Chip
R405	4721-153J-6	RMG 1/8W 15k ±5% Chip
R406	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R407	4721-334J-6	RMG 1/8W 330k ±5% Chip
R408	4721-153J-6	RMG 1/8W 15k ±5% Chip
R409	4721-182J-6	RMG 1/8W 1.8k ±5% Chip
R410	4721-223J-6	RMG 1/8W 22k ±5% Chip
R411	4721-223J-6	RMG 1/8W 22k ±5% Chip
R412	4721-182J-6	RMG 1/8W 1.8k ±5% Chip
R413	4721-221J-6	RMG 1/8W 220Ω ±5% Chip
R430	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R432	4707-6R8J-2	RCF 1/2W 6.8Ω ±5%
R433	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R434	4721-103J-6	RMG 1/8W 10k ±5% Chip
R435	4721-681J-6	RMG 1/8W 680Ω ±5%
R436	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R437	4721-152J-6	RMG 1/8W 1.5k ±5% Chip
R438	4721-331J-6	RMG 1/8W 330Ω ±5% Chip
R439	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R440	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R444	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R446	4721-182J-6	RMG 1/8W 1.8k ±5% Chip
R447	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
ZD401	4837-5V11-2	Zener Diode 1/2W 5.1V ROHM
CRX55 and CRX56 Parts Only		
C412	157D-476M-5-KM	CE 16V 47µF ±20%
C413	150E-333K-6-CF	CC 25V 0.033µF ±10%
C414	150E-333K-6-CF	CC 25V 0.033µF ±10%

REF	PART NO.	DESCRIPTION
C415	154E-334M-5-HM	CT 25V 0.33µF ±20%
C416	154E-334M-5-HM	CT 25V 0.33µF ±20%
C417	153F-473M-5-OS	CM 50V 0.047µF ±20%
C418	157F-105M-5-GM	CE 50V 1µF ±20%
C419	157F-225M-5-GM	CE 50V 2.2µF ±20%
C420	157E-475M-5-GM	CE 25V 4.7µF ±20%
C421	157C-107M-5-IU	CE 10V 100µF ±20%
C422	157D-107M-5-KW	CE 16V 100µF ±20%
C424	157C-227M-5-KW	CE 10V 220µF ±20%
C425	157F-105M-5-GM	CE 50V 1µF ±20%
C426	157D-106M-5-GM	CE 16V 10µF ±20%
C427	157F-684K-5-GM	CE 50V 0.68µF ±10%
C428	157F-684K-5-GM	CE 50V 0.68µF ±10%
C429	157F-105M-5-GM	CE 50V 1µF ±20%
C436	157F-105M-5-GM	CE 50V 1µF ±20%
D401	4804-1480-2	Diode 1N4148
D402	4804-1480-2	Diode 1N4148
D403	4804-1480-2	Diode 1N4148
D404	4804-1480-2	Diode 1N4148
D405	4804-0010-2	Diode 1N4001
D411	4804-1480-2	Diode 1N4148
D412	4804-1480-2	Diode 1N4148
IC402	3130-1130-0	IC CXA1101
IC403	3130-0660-0	AMSS IC BA336
J413	4721-000J-6	RMG 1/8W 0Ω ±5%
J414	4721-000J-6	RMG 1/8W 0Ω ±5%
Q401	485C-536G-5	TR 2SC536G
Q402	4860-0050-5	TR 8050 C/D KEC
Q403	485C-536G-5	TR 2SC536G
R414	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R415	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R416	4721-562J-6	RMG 1/8W 5.6k ±5% Chip
R418	4721-474J-6	RMG 1/8W 470k ±5% Chip
R419	4721-274J-6	RMG 1/8W 220k ±5% Chip
R420	4721-152J-6	RMG 1/8W 1.5k ±5% Chip
R421	4721-103J-6	RMG 1/8W 10k ±5% Chip
R422	4721-103J-6	RMG 1/8W 10k ±5% Chip
R423	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R424	4721-221J-6	RMG 1/8W 220Ω ±5% Chip
R425	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R426	4721-473J-6	RMG 1/8W 47k ±5% Chip
R427	4721-103J-6	RMG 1/8W 10k ±5% Chip
R428	4721-272J-6	RMG 1/8W 2.7k ±5% Chip
R429	4721-433C-6	RMG 1/8W 43k ±5% Chip
R441	4721-223J-6	RMG 1/8W 22k ±5% Chip
R442	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R445	4721-474J-6	RMG 1/8W 470k ±5% Chip
TP1	4131-3431-0	Pin Lead Frame RX918
TP2	4131-3431-0	Pin Lead Frame RX918
VR401	4755-2036-3-01	SVR 20k
VR402	4755-2036-3-01	SVR 20k
VOLUME BOARD ASSEMBLY		
C501	153F-332K-5-KW	CM 50V 3300pF ±10%
C502	153F-332K-5-KW	CM 50V 3300pF ±10%
C503	153F-103K-5-KW	CM 50V 0.01µF ±10%
C504	153F-103K-5-KW	CM 50V 0.01µF ±10%
C505	157D-106M-5-GM	CE 16V 10µF ±20%
C506	157D-106M-5-GM	CE 16V 10µF ±20%
C507	153F-473M-5-OS	CM 50V 0.047µF ±20%
C508	153F-473M-5-OS	CM 50V 0.047µF ±20%
C509	153F-183J-5-LW	CM 50V 0.018µF ±5%
C510	153F-183J-5-LW	CM 50V 0.018µF ±5%
C511	157F-105M-5-GM	CE 50V 1µF ±20%
C512	157F-105M-5-GM	CE 50V 1µF ±20%
C513	157F-105M-5-GM	CE 50V 1µF ±20%
C514	157F-105M-5-GM	CE 50V 1µF ±20%
C517	157D-476M-5-IU	CE 16V 47µF ±20%

REF	PART NO.	DESCRIPTION
C518	157C-107M-5-KQ	CE 10V 100µF ±20%
C519	153F-822K-5-KW	CM 50V 8200pF ±10%
C520	153F-822K-5-KW	CM 50V 8200pF ±10%
C521	153F-103K-5-KW	CM 50V 0.01µF ±10%
C522	153F-103K-5-KW	CM 50V 0.01µF ±10%
C523	153F-473M-5-OS	CM 50V 0.047µF ±20%
C524	153F-473M-5-OS	CM 50V 0.047µF ±20%
C525	157F-225M-5-GM	CE 50V 2.2µF ±20%
C526	157D-106M-5-GM	CE 16V 10µF ±20%
D501	4804-1480-2	Diode 1N4148
D502	4804-1480-2	Diode 1N4148
D503	4804-1480-2	Diode 1N4148
D504	4804-1480-2	Diode 1N4148
Q501	4860-0050-5	TR 8050 C/D KEC
Q502	4860-0050-5	TR 8050 C/D KEC
Q503	485C-536G-5	TR 2SC536G
Q504	485C-536G-5	TR 2SC536G
Q505	485C-536G-5	TR 2SC536G
R501	4721-822J-6	RMG 1/8W 8.2k ±5% Chip
R502	4721-822J-6	RMG 1/8W 8.2k ±5% Chip
R503	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R504	4721-222J-6	RMG 1/8W 2.2k ±5% Chip
R505	4721-153J-6	RMG 1/8W 15k ±5% Chip
R506	4721-153J-6	RMG 1/8W 15k ±5% Chip
R507	4721-332J-6	RMG 1/8W 3.3k ±5% Chip
R508	4721-332J-6	RMG 1/8W 3.3k ±5% Chip
R509	4721-123J-6	RMG 1/8W 12k ±5% Chip
R510	4721-123J-6	RMG 1/8W 12k ±5% Chip
R511	4721-225J-6	RMG 1/8W 2.2M ±5% Chip
R512	4721-225J-6	RMG 1/8W 2.2M ±5% Chip
R513	4721-681J-6	RMG 1/8W 680Ω ±5%
R514	4721-681J-6	RMG 1/8W 680Ω ±5%
R515	4721-333J-6	RMG 1/8W 33k ±5% Chip
R516	4721-333J-6	RMG 1/8W 33k ±5% Chip
R517	4721-103J-6	RMG 1/8W 10k ±5% Chip
R518	4721-103J-6	RMG 1/8W 10k ±5% Chip
R521	4721-473J-6	RMG 1/8W 47k ±5% Chip
R522	4721-473J-6	RMG 1/8W 47k ±5% Chip
R523	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R524	4721-392J-6	RMG 1/8W 3.9k ±5% Chip
R525	4721-101J-6	RMG 1/8W 100Ω ±5% Chip
R526	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R527	4721-223J-6	RMG 1/8W 22k ±5% Chip
R528	4721-223J-6	RMG 1/8W 22k ±5% Chip
R529	4721-332J-6	RMG 1/8W 3.3k ±5% Chip
R530	4721-332J-6	RMG 1/8W 3.3k ±5% Chip
R531	4721-223J-6	RMG 1/8W 22k ±5% Chip
R532	4721-223J-6	RMG 1/8W 22k ±5% Chip
R533	4721-104J-6	RMG 1/8W 100k ±5% Chip
R534	4721-104J-6	RMG 1/8W 100k ±5% Chip
R535	4721-682J-6	RMG 1/8W 6.8k ±5%
R536	4721-682J-6	RMG 1/8W 6.8k ±5%
R539	4721-104J-6	RMG 1/8W 100k ±5% Chip
CRX55 and CRX45 Parts Only		
D505	4804-1480-2	Diode 1N4148
D506	4804-1480-2	Diode 1N4148
Q506	4860-0050-5	TR 8050 C/D KEC
R540	4721-472J-6	RMG 1/8W 4.7k ±5% Chip
R541	4721-822J-6	RMG 1/8W 8.2k ±5% Chip
VR501	4755-5026-3-01	SVR 5k V3 6.4X7.8 01
CRX56 and CRX46 Parts Only		
IC501	3130-0700-0	IC LA6458SS LCD
VR501	635N-0001-0	Jumper Wire

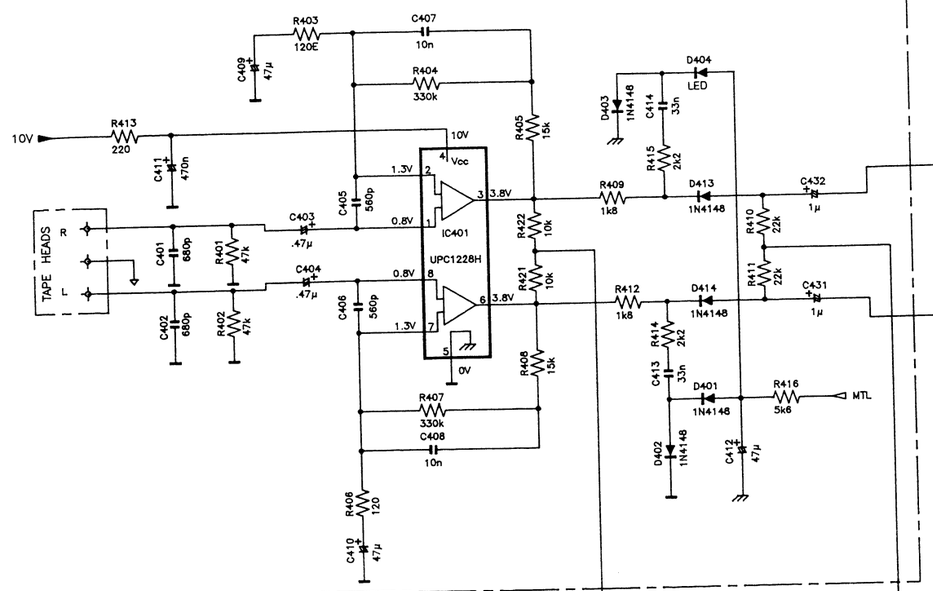
REF	PART NO.	DESCRIPTION
SDK BOARD ASSEMBLY		
CRX55 and CRX45 Parts Only		
C701	153F-104K-5-KMM	CM 50V 0.1µF ±10%
C702	153F-104K-5-KMM	CM 50V 0.1µF ±10%
C703	157F-475M-5-GM	CE 50V 4.7µF ±20%
C704	15CG-471J-7-IJ	CTC 0/30 470pF
C705	150F-560J-5-IF	CC 50V 56pF ±5%
C706	153F-104K-5-KMM	CM 50V 0.1µF ±10%
C707	153F-104K-5-KMM	CM 50V 0.1µF ±10%
C708	153F-683J-5-NLM	CM 50V 0.068µF ±5%
C709	153F-683J-5-NLM	CM 50V 0.068µF ±5%
C710	153F-104K-5-KMM	CM 50V 0.1µF ±10%
C711	150F-154M-5-II	CC 50V 0.15µF ±20%
C712	153F-104K-5-KMM	CM 50V 0.1µF ±10%
IC701	3130-1140-0	IC TDA1579
L701	5600-1696-0	Coil RBMA
Q701	485C-536G-5	TR 2SC536G
Q702	485C-536G-5	TR 2SC536G
R701	4701-562J-C	RCF 1/8W 5.6k ±5%
R702	4701-393J-C	RCF 1/8W 39k ±5%
R703	4701-393J-C	RCF 1/8W 39k ±5%
R704	4701-184J-C	RCF 1/8W 180k ±5%
R705	4701-103J-C	RCF 1/8W 10k ±5%
R706	4701-103J-C	RCF 1/8W 10k ±5%
R707	4701-153J-C	RCF 1/8W 15k ±5%
R708	4701-183J-C	RCF 1/8W 18k ±5%
R709	4701-273J-C	RCF 1/8W 27k ±5%
R710	4701-394J-C	RCF 1/8W 390k ±5%
R711	4701-683J-C	RCF 1/8W 68k ±5%
R712	4701-473J-C	RCF 1/8W 47k ±5%
R713	4701-684J-C	RCF 1/8W 680k ±5%
R714	4701-153J-C	RCF 1/8W 15k ±5%
R716	4701-472J-C	RCF 1/8W 4.7k ±5%
R717	4701-431J-C	RCF 1/8W 430 ±5%
R718	4701-224J-C	RCF 1/8W 220k ±5%

CIRCUIT DIAGRAM: MAIN - DTS AND SWITCHING

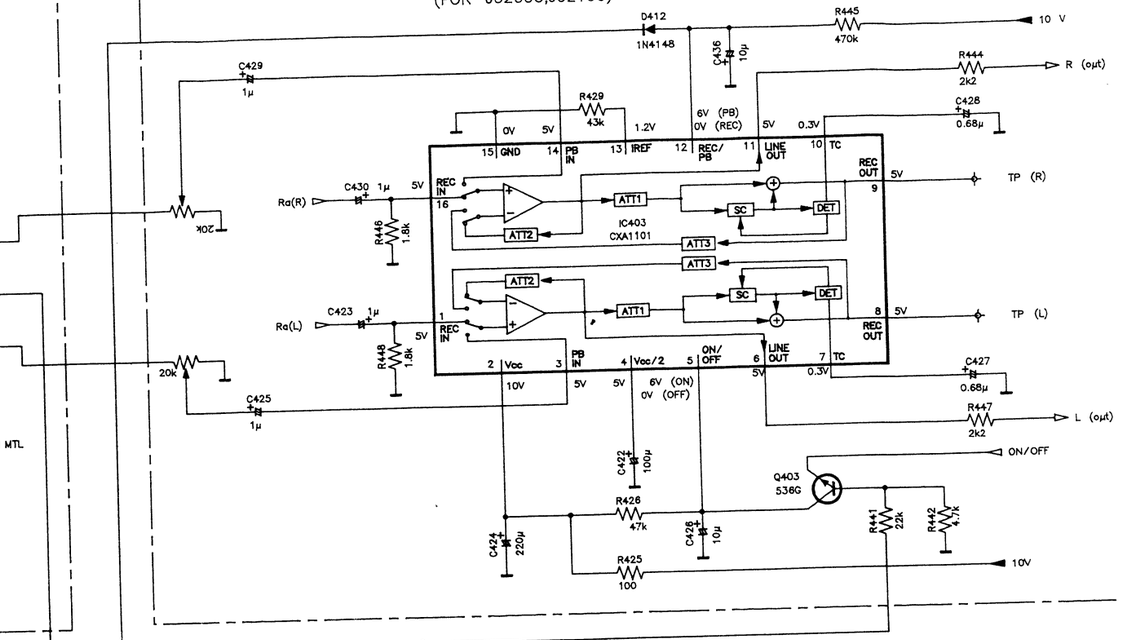


■ CIRCUIT DIAGRAM: DOLBY, TAPE BOOSTER AND AMSS BOARD

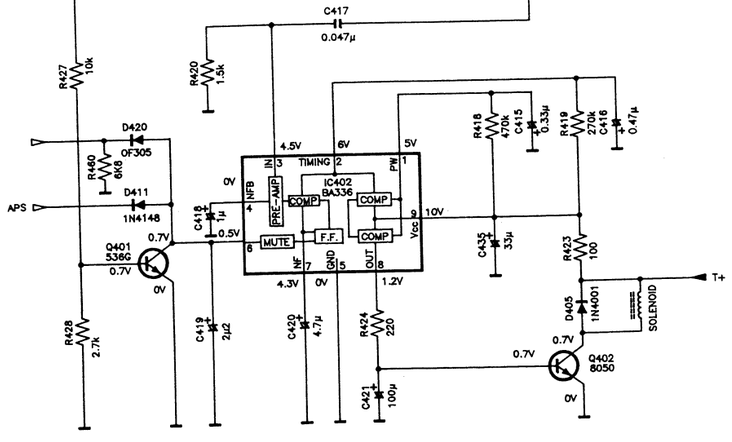
1. TAPE PRE-AMP.

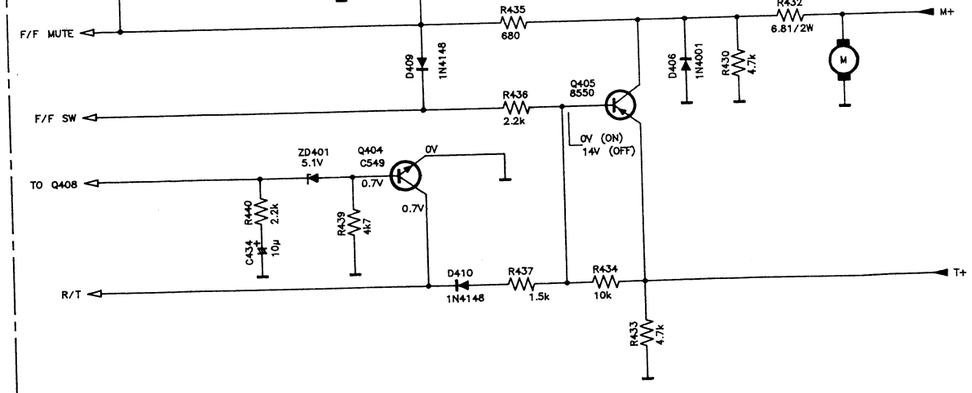


2. DOBLY
(FOR J0200C,J0210C)

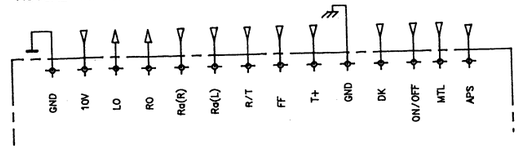


3. AMSS FOR J0220C,J02130C

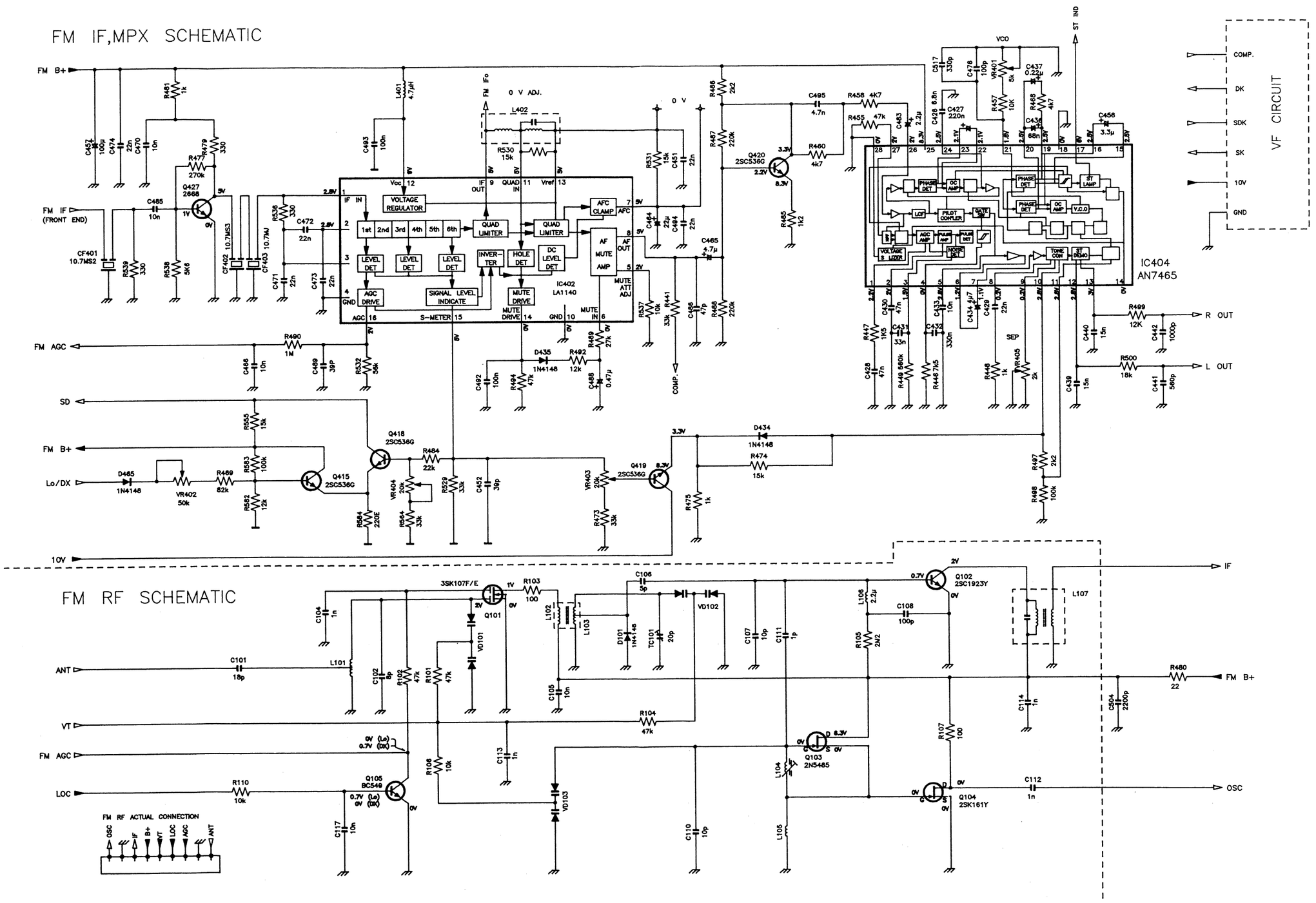




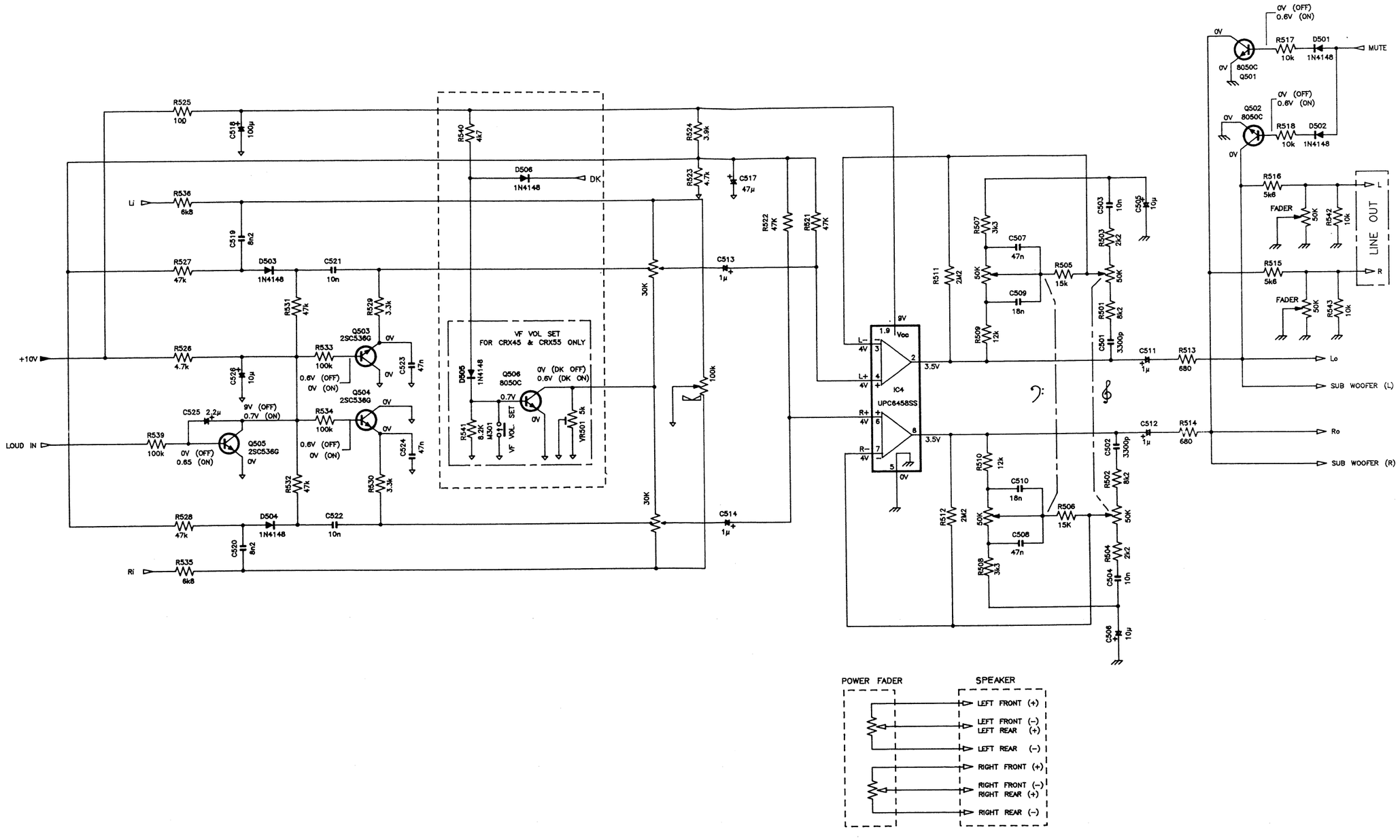
ACTUAL PIN LAYOUT



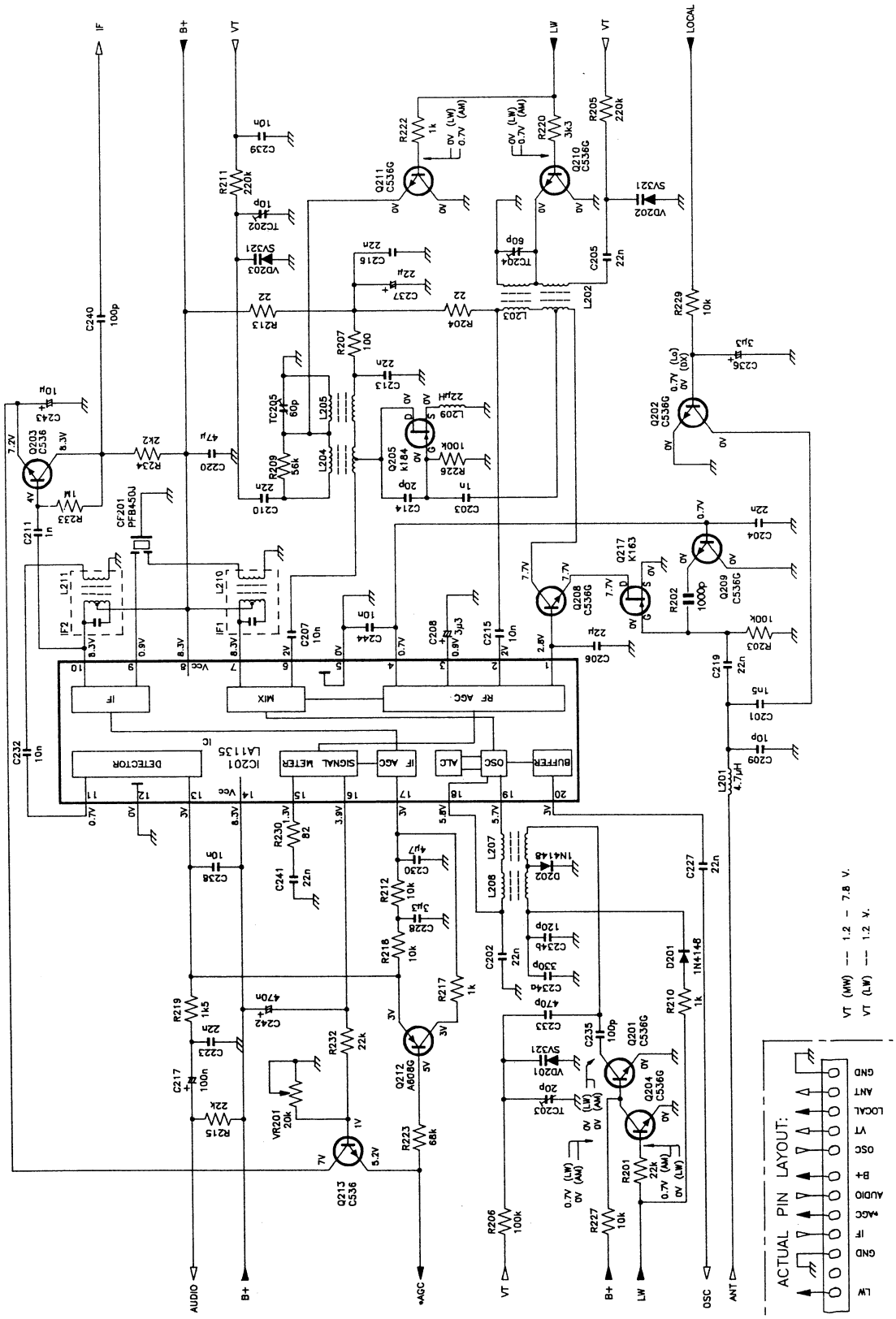
CIRCUIT DIAGRAM: FM TUNER



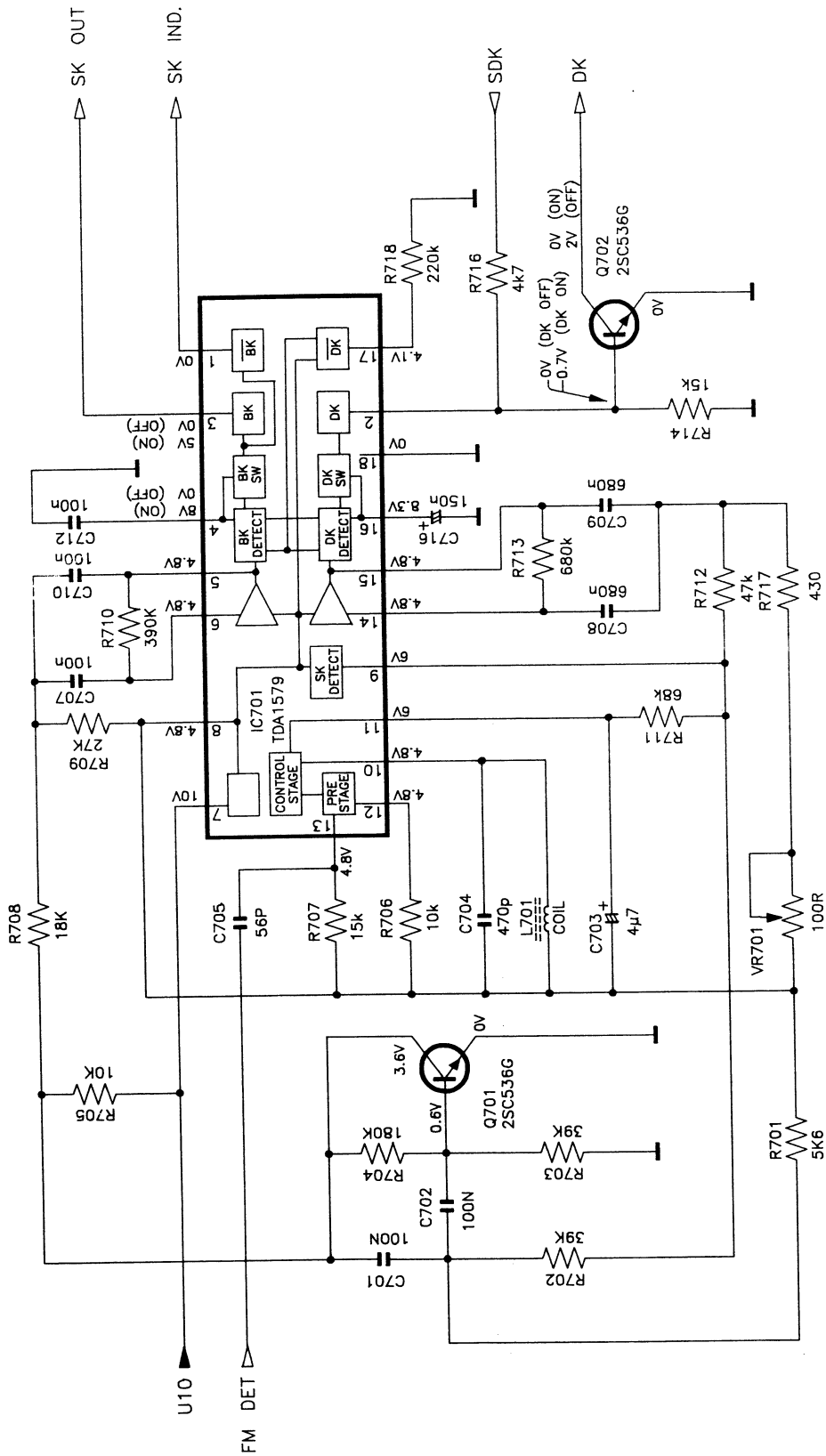
■ CIRCUIT DIAGRAM: VOLUME CONTROL BOARD



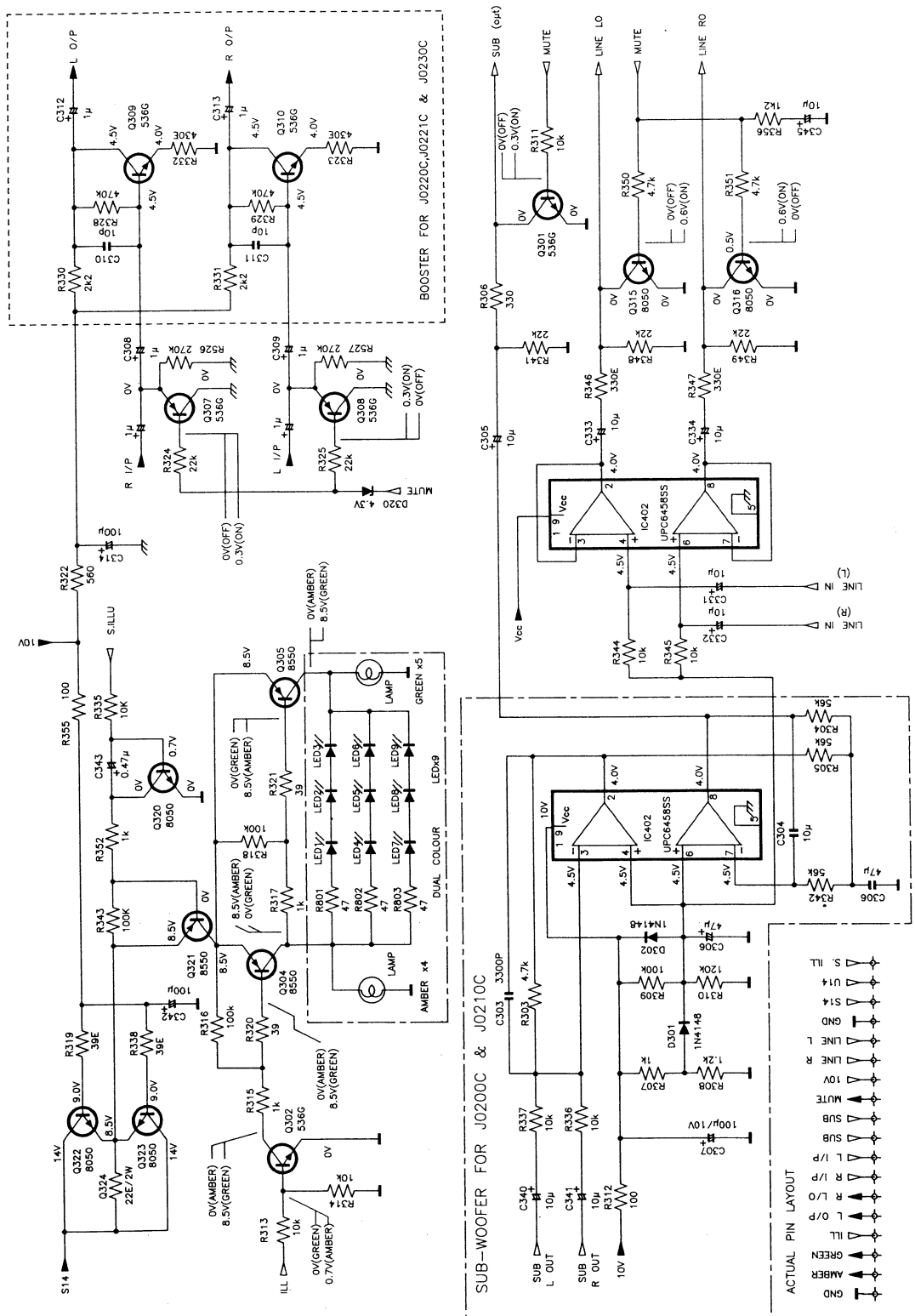
CIRCUIT DIAGRAM: AM TUNER



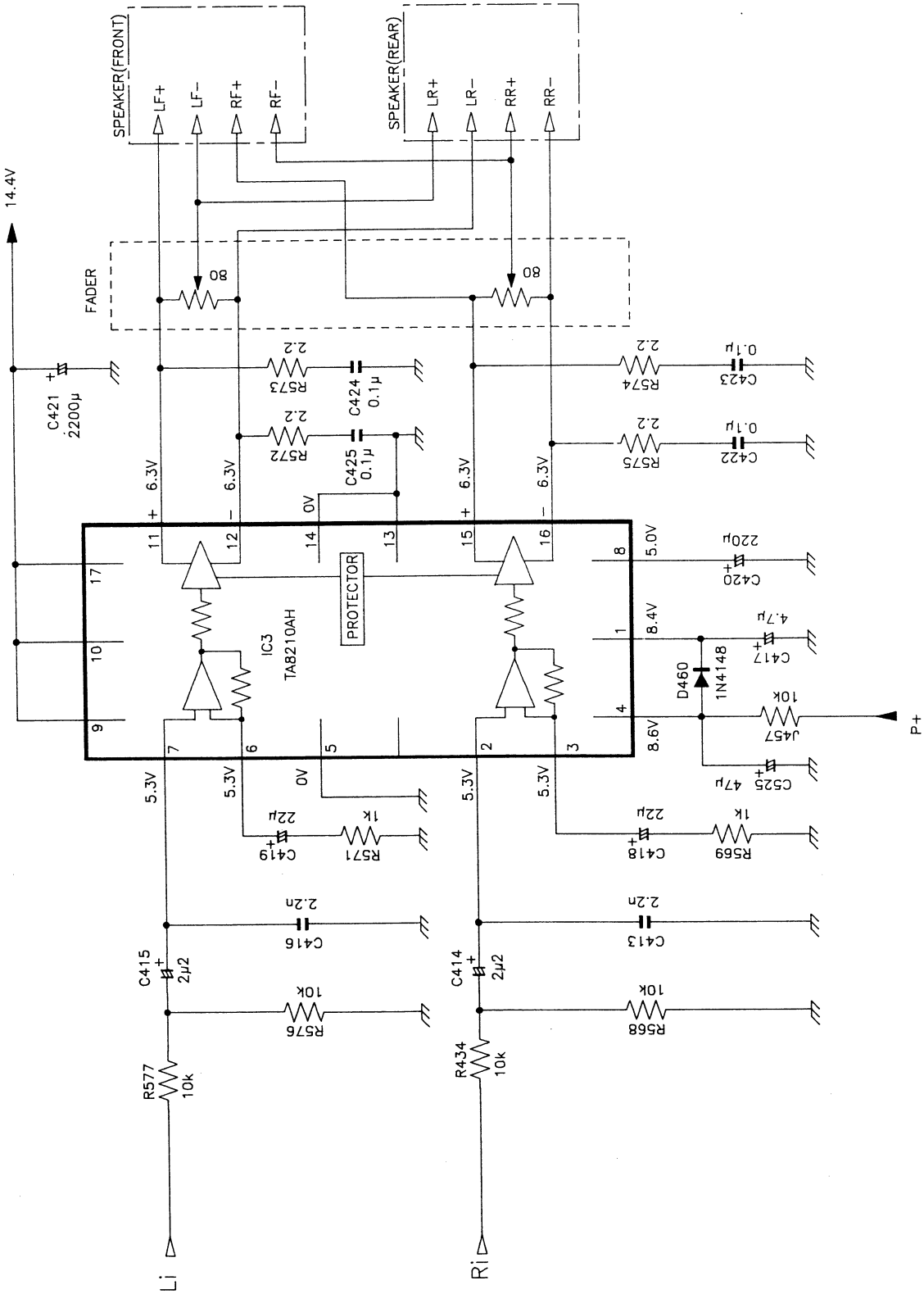
CIRCUIT DIAGRAM: VF BOARD



CIRCUIT DIAGRAM: BOOSTER BOARD AND KEYBOARD ILLUMINATION



CIRCUIT DIAGRAM: POWER AMP



PRINTED CIRCUIT BOARDS - WIRING DIAGRAM

P	FRONT LEFT(−)/REAR LEFT(+) SP
N	FRONT LEFT(+)
L	FRONT RIGHT(+)
J	REAR RIGHT(+)/FRONT RIGHT(−) SP
O	REAR LEFT(−)
M	FRONT LEFT(−)/REAR LEFT(+) SP
K	REAR RIGHT(+)/FRONT RIGHT(−) SP
I	REAR RIGHT
H	ACC
F	PERMANENT
G	GROUND
C	POWER ANTENNA